2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard

Butte Slough Drainage Structure

Overall Unit

Rating	Rated Item	Item Rating
	Photo Documentation	N
	Vegetation & Obstructions	А
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

Overall I

Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	М
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	М
	Erosion / Bank Caving	Α
	Revetments	А
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Goose Lake Overflow Structure

verall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	М
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Highland Canal Diversion Weir And Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	N
	Encroachments	Α
	Culverts: Inlets / Outlets	М
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	М
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Overall

Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
<u>'</u>	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

M&T Ranch Overflow Structure

erall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	М
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	М
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	А
	Sumps/Wet Well	Α
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	N
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	А

2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

verall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	А
	Trash Racks	А
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	А
	Flap Gates	А
	Closure Structures	N
	Security Fencing	А
	Intake and Discharge Pipes	А

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	А
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	A
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	M
	Trash Racks	А
	Trash Rakes	N
	Sluice / Slide Gates	А
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	А

2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating	
Α	Operating Log	Α	
	Operation & Maintenance Manual	Α	
	Plant Building	Α	
	Communications	Α	
	Safety	Α	
	Cranes	N	
	Pumps	Α	
	Power	Α	
	Motors, Engines, Fans & Gear Reducers		
	Pump Control Systems		
	Sumps/Wet Well	Α	
	Trash Racks	Α	
	Trash Rakes	N	
	Sluice / Slide Gates	Α	
	Electric Gate Operators	N	
	Manual Gate Operators	Α	
	Other Metallic Items	Α	
	Flap Gates	Α	
	Closure Structures	N	
	Security Fencing	Α	
	Intake and Discharge Pipes	Α	

2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2

Overall Unit Rating	Item Rating	
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	Α
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	U
	Shoaling / Sedimentation	М
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	U
	Concrete Tilting / Settlement	А
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	М
	Operation & Maintenance Manual	Α
l		

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2019 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	А
	Erosion / Bank Caving	А
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Butte Slough Drainage Structure	

Structure Rating	Α		
Date of Inspection	7/17/2019		
DWR Inspector	Makar Sokol		
Accompanied By	Bryan Reniff Sutter Maintenance Yard		

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Structures & C		& Concrete I	_ined	GPS Latitude/Longitude		
Calegory	Channels					End
Item	Photo Do	Photo Documentation			88°	39.197288°
item				-121.9438	47 °	-121.943847 °
DWR ID DWR_NA0060_38_t _ 2012_1						
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the Butte Slough Drainage Structure on the landside.

Photo 2 of 7: ST_2019_NA0060_38_1_20190718_00011.jpg



Upclose view of the Butte Slough Drainage Structure on the landside.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the pipe from the landside.

* Location LS : Land Side WS : Water Side CR : Crown

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** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude	
Calegory	Channels			Start		End	
Item	Photo Documentation			39.1972	88°	39.197288°	
пеш				-121.9438	47 °	-121.943847°	
DWR ID DWR_NA0060_38_t _ 2012_1							
		Action/	Comme	nts			

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the centerline alignment from the landside, looking at the levee.

Photo 5 of 7: ST_2019_NA0060_38_1_20190718_00014.jpg



View of the Butte Slough Drainage Struture on the waterside. Photo 6 of 7: ST_2019_NA0060_38_1_20190718_00015.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Top view of the outfall flap gate.

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

r & Maintain En : Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		39.1972	88°	39.197288 °
item				-121.9438	47 °	-121.943847°
DWR ID	DWR_NA0	060_38_t _ 201	2_1			
		Action/	Comme	nts		



Side view of the outfall flap gate.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Vegetatio	n & Obstruction	ons	39.1972	88°	39.197288 °
пеш	item			-121.9438	47 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_2			

Action/Comments

Inspector Comments: There is minimal vegetation and debris on the landside, but it does not impede the flow into the structure. The outfall is clear of vegetation.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category Channels			Start		End		
Itom	Shoaling /	Sedimentation	n	39.19728	88°	39.197288 °		
item	Item			-121.94384	47 °	-121.943847 °		
DWR ID	DWR_NA0060_38_t _ 2012_3							
	Action/Comments							

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Erosion / Bank Caving			39.1972	88 °	39.197288 °
пеш				-121.9438	47°	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_4			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End
Itom	Revetmer	nts		39.1972	88°	39.197288 °
Item			-121.94384	47 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_5			

No Photos

Action/Comments

Inspector Comments: Cobble is grouted in place around the outfall. It appears to be in good condition.

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Encroach	ments		39.19728	88°	39.197288°	
пеш				-121.94384	۱7°	-121.943847°	
DWR ID	WR ID DWR_NA0060_38_t _ 2012_6						
Action/Comments							

No Photos

Inspector Comments: No encroachments or obstructions were observed during the inspection.

* Location LS: Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	7	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels			Start		End
Item	Culverts:	Inlets / Outlets	3	39.19728	B°	39.197288 °
пеш				-121.94384	7 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_7			
A :: 10						

Action/Comments

Inspector Comments: No debris observed around the pipe.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Breaks / Holes / 39.197288° 39.197288° Item Cracks -121.943847° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_8

Action/Comments

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.

No Photos

Rating ** Issue No. LM Start 0.00 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 39.197288° 39.197288 ° Item -121.943847° -121.943847° DWR ID DWR_NA0060_38_t _ 2012_9

Action/Comments

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		10		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category Channels		Start End		End			
Item	Trash Rad	cks		39.19728	8°	39.197288 °		
item			-121.94384	7°	-121.943847°			
DWR ID	DWR_NA0	060_38_t _ 201	2_10					

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Flap Gate	s		39.1972	88°	39.197288 °
пеш				-121.9438	47 °	-121.943847 °
DWR ID DWR_NA0060_38_t _ 2012_11						
		Action/	Comme	nts		



View of the flap gate.

	LM Start	0.00	Rating **	N	Issue No.		12	
	LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude					
	Calegory	Channels			Start End			
	Item	Sluice/Sli	de Gates		39.1972	88°	39.197288	0
	item				-121.9438	47 °	-121.943847	٥
	DWR ID	DWR_NA0	060_38_t _ 201	2_12				
			A -4:	C	-4-			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Electric G	ate Operators	3	39.1972	88°	39.197288	0
пеш				-121.943847 ° -121.943847			0
DWR ID	DWR_NA0	060_38_t _ 201	2_13				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 14 Issue Type + 0.00 Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Manual Gate Operators 39.197288° 39.197288° Item -121.943847° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_14

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Calegory	Channels			Start End		End	
Item	Concrete	Surfaces		39.1972	88°	39.197288	0
item				-121.943847 ° -121.943847			
DWR ID DWR_NA0060_38_t _ 2012_15							
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

	LM Start	0.00	Rating **	N	Issue No.		16	
	LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude					
	Calegory	Channels			Start		End	
	ltom	Concrete	Tilting / Settle	ment	39.1972	88 °	39.197288	٥
Item					-121.9438	47°	-121.943847	0
	DWR ID	DWR_NA0	060_38_t _ 201	2_16				
				_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 17 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 39.197288° 39.197288° Item -121.943847° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_17

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	- 11 51 5 1 51 5 1	& Concrete I	Lined	GPS La	titud	le/Longitude	
Calegory	Channels			Start End			
Item	Security F	encing		39.19728	88°	39.197288°	
item				-121.94384	47 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_18				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			ned GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Closure S	tructures		39.1972	88°	39.197288
пеш				-121.9438	47 °	-121.943847
DWR ID	DWR_NA0	060_38_t _ 201	2_19			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Rakes 39.197288° 39.197288° Item -121.943847 ° -121.943847 ° DWR ID DWR NA0060 38 t 2012 20

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.197288° 39.197288 ° Item -121.943847° -121.943847 ° DWR_NA0060_38_t _ 2013_21 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Monolith Joints		39.1972	88°	39.197288	٥	
пеш			-121.9438	47 °	-121.943847	0	
DWR ID	DWR_NA0	060_38_t _ 201	2_22				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating ** Α 23 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 39.197288° 39.197288° Item -121.943847 ° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_23

Action/Comments

Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility.

No Photos

Issue No. Rating ** LM Start 0.00 24 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Operation & Maintenance 39.197288° 39.197288 ° Item Manual -121.943847° -121.943847 ° DWR_NA0060_38_t _ 2013 24 DWR ID Action/Comments

Inspector Comments: O&M is available at the office.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Butte Slough Outfall Structure	

Structure Rating	Α
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Category Structures & Concrete Lined Channels				atitud	e/Longitude
Calegory						End
Photo Documentation			39.1949	72°	39.194972	
item				-121.936088 °		-121.936088
DWR ID	DWR_NA0	060_42_t _ 201				
		Action/	Comme	nts		

	_		_		_		_	
		1						
				W I		N N		
						07/1	1 2019	

Photo 1 of 8: ST_2019_NA0060_42_1_20190718_00014.jpg

View of the Butte Slough Outfall Structure from the landside levee crown.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 8: ST_2019_NA0060_42_1_20190718_00011.jpg



Another view of the Butte Slough Outfall Structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the platform and mechanical gate operation mechanism.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude
Calegory	Channels			Start		End
Item	Photo Documentation			39.1949	72°	39.194972°
пеш				-121.936088 °		-121.936088 °
DWR ID DWR_NA0060_42_t _ 2012_1						
Action/Comments						

Rating **

Issue Type +

LM Start

LM End

0.00

0.00

Ma

Issue No.

Location *

1 (cont)

Photo 4 of 8:	ST_2019_NA	.0060_42_1_	20190718_	_00012.jp
**************************************	***			
	THE PARTY OF THE P	WILLIAM		
			07 17	2019

View of the valve operator with rust on the gears.

Photo 5 of 8: ST_2019_NA0060_42_1_20190718_00015.jpg



View of the abondoned in-place hoist system.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the Butte Slough Outfall Structure headwall on the waterside of the levee.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	atituc	de/Longitude
Category				Start		End
Photo Documentation			39.1949	72 °	39.194972°	
item				-121.9360	88 °	-121.936088°
DWR ID	DWR_NA0	060_42_t _ 201	2_1			
		Action/	Comme	nts		

	1 × 3	
Easter - The		
-		07 17 2019

Photo 7 of 8: ST_2019_NA0060_42_1_20190718_00016.jpg

View of the right side of the structure's headwall.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 8 of 8: ST_2019_NA0060_42_1_20190718_00017.jpg



View of the left side of the structure's headwall.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Category				Start		End
Item	Vegetation & Obstructions			39.19497	'2	39.194972 °
item			-121.93608	88°	-121.936088 °	
DWR ID	DWR_NA0	060_42_t _ 201	2_2		Ò	·

Action/Comments

Inspector Comments: Some logs jammed near the slide gates which may impact proper operation of the structure.



View of the log jammed next to the slide gate.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	_ined	GPS Lat	tud	e/Longitude
Calegory	Channels			Start		End
Item	Shoaling /	Sedimentation	on	39.19497	2°	39.194972 °
item				-121.93608	3°	-121.936088 °
DWR ID	DWR_NA0060_42_t _ 2012_3					
A :: 10						

Action/Comments

Inspector Comments: No shoaling or sedimentation is visible.

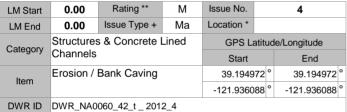
Photo 1 of 2: ST_2019_NA0060_42_4_20190718_00021.jpg

No Photos



View of the active erosion around the rightside of the headwall.

Photo 2 of 2: ST_2019_NA0060_42_4_20190718_00022.jpg



Action/Comments

Inspector Comments: The active erosion at the outlet's headwall is progressing from year to year. The erosion needs to be addressed.

LM Start	0.00	Rating **	М	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of the active erosion around the leftside of the headwall.

Page 4 of 11

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Revetmer	nts		39.19497	2°	39.194972	0
item				-121.93608	3°	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_5				

Action/Comments

Inspector Comments: Exisiting cobble on landside appears to be in good condition and is clearly visible.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Category	Channels			Start		End	
Item	Encroach	ments		39.1949	72 °	39.194972	0
item				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_6				

Action/Comments

Inspector Comments: No encroachments or obstructions are visible.

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Item	Culverts:	Inlets / Outlets	5	39.1949	72°	39.194972°
item				-121.9360	88°	-121.936088°
DWR ID	DWR_NA0	060_42_t _ 201	2_7			·

Action/Comments Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	8				
LM End	0.00	Issue Type +	Ма	Location *					
Structures & Concrete Lined				GPS Latitude/Longitude					
Calegory	Channels			Start		End			
Item	Culverts: Breaks / Holes / Cracks			39.19497	2 °	39.194972			
item				-121.93608	8°	-121.936088			
DWR ID	DWR_NA0	2_8							
	Action/Comments								

Action/Comments

Inspector Comments: Culverts were submerged at the time of this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 9

Action/Comments

Inspector Comments: Pipes were fully submerged at the time of the inspection.

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	_ined	GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Trash Racks				39.19497	'2 °	39.194972°	
Item				-121.93608	88°	-121.936088°	
DWR ID	DWR_NA0	060_42_t _ 201					
Action/Comments							

Inspector Comments: No trash racks on this structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Flap Gate	s		39.19497	2 °	39.194972°	
item				-121.93608	8 °	-121.936088 °	
DWR ID	DWR_NA0	060_42_t _ 201	2_11				
			_				

Action/Comments

Inspector Comments: Flap gates were fully submereged at the time of this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α 12 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Sluice/Slide Gates 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR_NA0060_42_t _ 2012_12

Action/Comments

Inspector Comments: Gates appear to be operating normally, however, a few logs were observed near slide gates at the time of inspection.

LM Start	0.00	Rating **	N	Issue No.	13			
LM End	0.00	Issue Type +	Ma	Location *				
Category Channels				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
ltom	Electric Gate Operators			39.19497	'2 °	39.194972°		
Item				-121.93608	88°	-121.936088°		
DWR ID	DWR_NA0060_42_t _ 2012_13							
Action/Comments								

Inspector Comments: No electric gate operators at this facility.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			_ined	GPS Latitude/Longitude/Lon			
Calegory	Channels			Start		End	
Item	Manual G	ate Operators	i	39.1949	72°	39.194972	0
item				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_14				
			_				

Action/Comments

Inspector Comments: Manual gate operators appear to be in good working condition, however, some lubrication may need to be applied to ensure proper operation of the mechanism.

No Photos

Issue No. LM Start 0.00 Rating ** Α 15 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Surfaces 39.194972° 39.194972° Item -121.936088 ° -121.936088 DWR ID DWR_NA0060_42_t _ 2012_15

Action/Comments

Inspector Comments: Concrete appears to be in good shape, no visible spalling, cracking or scaling.

No Photos

Issue No. Rating ** LM Start 0.00 16 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Tilting / Settlement 39.194972° 39.194972 ° Item -121.936088 ° -121.936088 DWR ID DWR_NA0060_42_t _ 2012_16 Action/Comments

Inspector Comments: No evidence of tilting, sliding or settlement is present.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Lat	tud	e/Longitude	
Calegory	Channels	Start		End			
Item	Concrete Foundations			39.19497	2°	39.194972	0
item				-121.93608	3°	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_17				

Action/Comments

Inspector Comments: The active erosion noted in issue No. 4 should be addressed.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 18 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR NA0060 42 t 2012 18 DWR ID

Action/Comments

Inspector Comments: There is a security gate on the road, but no security fencing to inspect.

No Photos

Issue No. Rating ** LM Start 0.00 Ν 19 0.00 Issue Type + Location * I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Closure Structures 39.194972° 39.194972 ° Item -121.936088 ° -121.936088 ° DWR ID DWR_NA0060_42_t _ 2012_19 Action/Comments

Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures	_ined	GPS Latitude/Longitude			
Calegory	Channels					End
Item	Trash Rakes			39.19497	2 °	39.194972°
пеш				-121.93608	8 °	-121.936088 °
DWR ID	DWR_NA0	060_42_t _ 201	2_20			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

LM Start	0.00	Rating **	M	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels		Start		End	
Item	Other Metallic Items			39.1949	72 °	39.194972 °
пеш				-121.9360	88 °	-121.936088 °
DWR ID	DWR_NA0	060_42_t _ 201	2_21			·

Action/Comments

Inspector Comments: Corrosion on metal support structure at waterline may need repair as it appears to be significant in some portions of the angle iron members. Metal railings and catwalks are showing signs of rust. Metal items should be painted or coated to prevent corrosion.

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures	_ined	GPS Latitude/Longitude				
Category Channels			Start		End		
Item	Monolith Joints			39.1949	72°	39.194972°	
пеш			-121.9360	88°	-121.936088 °		
DWR ID DWR_NA0060_42_t _ 2012_22							
Action/Comments							

Inspector Comments: Joints appear to be in good condition.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

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Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Safety			39.1949	72 °	39.194972 °	
Item				-121.9360	88 °	-121.936088 °	
DWR ID	DWR ID DWR_NA0060_42_t _ 2012_23						
Action/Comments							

Inspector Comments: Railing is in place at manual sluice gate controls.

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 39.194972° 39.194972° Item Manual -121.936088 ° -121.936088 ° DWR ID DWR_NA0060_42_t _ 2013_24

Action/Comments

Inspector Comments: O&M is available at the office.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure				
Colusa We	ir			

Structure Rating	Α
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff DWR Sutter Yard

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Ν	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Category	Channels	hannels				End
Photo Documentation			39.2321	35 °	39.232135°	
пеш			-121.9962	53 °	-121.996253°	
DWR ID	DWR_NA0	060_55_t _ 201	2_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir from the right bank looking upstream.

Photo 2 of 9: ST_2019_NA0060_55_1_20190718_00019.jpg



View of the weir from the right bank looking downstream.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir from the left bank looking upstream.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Category	Channels			Start		End
ltom	Item Photo Documentation			39.2321	35°	39.232135°
пеш				-121.9962	53 °	-121.996253 °
DWR ID DWR_NA0060_55_t _ 2012_1						
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir from the left bank looking downstream.

Photo 5 of 9: ST_2019_NA0060_55_1_20190718_00013.jpg



View of the weir's right bank abutment.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir's left bank abutment.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1 (cont)	
LM End	0.00	Issue Type +	Ма	Location *			
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Photo Documentation			39.2321	35°	39.232135	
item				-121.996253 °		-121.996253	
DWR ID DWR_NA0060_55_t _ 2012_1							
		Action/	Comme	nts			

Photo 7 of 9: ST_2019_NA0060_55_1_20190718_00012.jpg

Typical view of the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 8 of 9: ST_2019_NA0060_55_1_20190718_00014.jpg



Typical upstream view from the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Typical downstream view from the weir.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined GPS Latitude/Longitude				e/Longitude	
Category Channels				Start		End
Item	Vegetatio	n & Obstructio	ons	39.2321	35 °	39.232135°
пеш				-121.9962	53 °	-121.996253°
DWR ID	DWR_NA0060_55_t _ 2012_2					
Action/Comments						

Action/Comments

Inspector Comments: Scattered debris, sediment, and obstructions should be removed. The flow is minimally impeded.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the typical vegetation found on the downstream side of the weir.

Photo 2 of 2: ST_2019_NA0060_55_2_20190718_00023.jpg



View of a large tree in the weir.

LM Start	0.00	Rating **	М	Issue No.	3	
LM End	0.00	Issue Type +	Ма	Location *		
Category		s & Concrete Lined		GPS Latitude/Longitude		le/Longitude
Calegory	Channels			Start		End
Item	Shoaling /	Sedimentation	on	39.23213	5 °	39.232135 °
пеш					3°	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_3			

Action/Comments

Inspector Comments: Sedimentation is present. Most of the sedimentation buildup is within the right half of the weir.



View of the sediment buildup.

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined GPS Latitude/Longitude					le/Longitude
Calegory	Channels			Start		End
Item	Erosion /	Erosion / Bank Caving			35 °	39.232135 °
пеш				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_4			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Revetmer	nts		39.23213	35 °	39.232135°
пеш			-121.9962	53 °	-121.996253 °	
DWR ID	DWR_NA0	060_55_t _ 201	2_5			

Action/Comments

Inspector Comments: The riprap is present. Vegetation within the ripraped area should be cleared.



View of the riprap on the downstream side of the weir.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Encroach	Encroachments		39.2321	35 °	39.232135	0
пеш				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_6				
		Action/	Comme	nts			
							Ī

No Photos

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined GPS Latitude			le/Longitude			
Calegory	Channels		Start		End		
Item	Culverts:	Inlets / Outlets	3	39.23213	85 °	39.232135 °	
пеш					3°	-121.996253 °	
DWR ID	DWR_NA0	060_55_t _ 201	2_7			·	
	Action/Comments						

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category	- 11 - 1 - 1 - 1	s & Concrete I	_ined	GPS La	atitud	e/Longitude	
Calegory	Channels			Start		End	
Item		Breaks / Hole	s/	39.2321	35 °	39.232135	0
item	Cracks			-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_8				
		A ation/	Commo	nto.			

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Metal Pipe	es		39.2321	35°	39.232135°	
item				-121.9962	53°	-121.996253 °	
DWR ID DWR_NA0060_55_t _ 2012_9							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side

CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		10		
LM End	0.00	Issue Type +	Ма	Location *				
Cotogoni		ructures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	S Start		Start		End		
Item	Trash Rad	cks		39.23213	5 °	39.232135 °		
пеш				-121.99625	3°	-121.996253 °		
DWR ID	DWR_NA0	060_55_t _ 201	2_10					
	A 11 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 39.232135° 39.232135° Item -121.996253° -121.996253 ° DWR NA0060 55 t 2012 11 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 12 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 39.232135° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR_NA0060_55_t _ 2012_12 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Electric G	ate Operators	;	39.23213	85 °	39.232135 °	
пеш				-121.99625	i3°	-121.996253 °	
DWR ID	DWR_NA0	_NA0060_55_t _ 2012_13					
	Action/Comments						

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		14		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Channels				Start	Start End			
Item	Manual G	ate Operators		39.2321	35 °	39.232135	0	
item				-121.996253 ° -121.99625			0	
DWR ID	DWR_NA0	060_55_t _ 201	2_14					
	Action/Comments							

No Photos

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			_ined	GPS Latitude/Longitude			
Calegory	Channels			Start	End		
Item	Concrete	Surfaces		39.2321	35°	39.232135°	
item				-121.996253 ° -121.996253			
DWR ID	DWR ID DWR_NA0060_55_t _ 2012_15					·	
Action/Comments							

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Structures & Concrete Lined		GPS Latitude/Longitude			
Channels				Start		End
Item	Item Concrete Tilting / Settlement			39.2321	35°	39.232135 °
item				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_16			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	GPS Latitude/Longitude		
Calegory	Channels			Start End			
Item	Concrete	Foundations		39.2321	35 °	39.232135	0
пеш				-121.9962	53 °	-121.996253	0
DWR ID DWR_NA0060_55_t _ 2012_17							
Action/Comments							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start End			
Item	Security F	encing		39.2321	35°	39.232135	0
пеш				-121.9962	53°	-121.996253	0
DWR ID	DWR_NA0						
	Action/Comments						

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Itom	Closure S	tructures		39.23213	5°	39.232135 °	
пеш	Item			-121.99625	3°	-121.996253 °	
DWR ID	RID DWR_NA0060_55_t _ 2012_19						
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Channe				Start		End	
Item	Trash Ral	ces		39.2321	35°	39.232135	0
пеш				-121.9962	53°	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_20				
		A ation/	Commo	nto.			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			_ined	GPS Latitude/Longitude			
Calegory	Channels			Start	End		
Item	Other Metallic Items			39.2321	35°	39.232135°	
пеш				-121.9962	53 °	-121.996253°	
DWR ID	R ID DWR_NA0060_55_t _ 2013_24					·	
Action/Comments							

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	22	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude
Calegory	Channels	Channels			End	
Item	Monolith Joints			39.2321	35 °	39.232135 °
пеш				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_22			
		Action/	Comme	nts		

No Photos

Rating ** Issue No. LM Start 0.00 Α 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 39.232135° 39.232135° Item -121.996253 ° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_23

No Photos

Action/Comments

Inspector Comments: Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure.

LM Start	0.00	Rating **	Α	Issue No.	21			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
ltom	Operation & Maintenance			39.2321	35 °	39.232135°		
Item	Manual		-121.9962	53°	-121.996253 °			
DWR ID	DWR_NA0060_55_t _ 2014_21							
Action/Comments								

No Photos

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Goose Lake Overflow Structure	

Structure Rating	Α
Date of Inspection	7/25/2019
DWR Inspector	Makar Sokol
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ма	Location *		CR	
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels			Start		End		
Item	Photo Documentation			39.5692	48 °	39.569248	0
item			-121.982569 °		-121.982569	0	
DWR ID	DWR_NA0060_225_t _ 2013_1						

Action/Comments

Inspector Comments: Google Earth Satellite view of the structure.



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 2: ST_2019_NA0060_225_1_20190726_00006.jpg



Typical view of the structure.

Photo 1 of 2 : ST_2019_NA0060_225_2_20190726_00007.jpg

LM Start	0.00	Rating **	М	Issue No.		2	
LM End	0.00	Issue Type +	Ма	Location *	LS		
Category Changels			GPS Latitude/Longitude				
Channels				Start		End	
Item	Vegetatio	n & Obstructio	ns	39.569247	0	39.569247	0
пеш			-121.982569	°	-121.982569	0	
DWR ID	DWR_NA0	060_225_t _ 20	13_2				
			_				

Action/Comments

Inspector Comments: Spray the vegetation for approximately 20 feet on both sides of the weir.



View of the vegetation on the upstream of the weir.

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	М	Issue No.	2 (cont)			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Itom	Item Vegetation & Obstructions			39.56924	47 °	39.569247 °		
пеш				-121.98256	69°	-121.982569 °		
DWR ID	DWR_NA0060_225_t _ 2013_2					·		
Action/Comments								

Inspector Comments: Spray the vegetation for approximately 20 feet on both sides of the weir.



View of the vegetation on the downstream of the weir.

LM Start	0.00	Rating **	Α	Issue No.	3			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Itom	Item Shoaling / Sedimentation			39.5692	48 °	39.569248°		
пеш				-121.9825	69°	-121.982569°		
DWR ID	DWR_NA0	060_225_t _ 20	13_3					
Action/Comments								

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels	Channels			Start			
Item Erosion / Bank C		Bank Caving	ık Caving		48 °	39.569248	0	
пеш				-121.98256	69°	-121.982569	0	
DWR ID	DWR_NA0	060_225_t _ 20	13_4					
Action/Comments								

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM End	0.00	Rating **	Α	Issue No.		5	
LIVI ENG	0.00	Issue Type +	Ма	Location *	LS		
Cotogoni		& Concrete I	_ined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Revetments			39.5692	48 °	39.569248	
пеш					69 °	-121.982569	
DWR ID	DWR_NA00	060_225_t _ 20	13_5				
		Action/	Commer	nts			



View of the exisiting revetmenst on the downstream of the weir.

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	ments		39.5692	48°	39.569248	
пеш				-121.9825	69°	-121.982569	
DWR ID	DWR_NA0	060_225_t _ 20	13_6				
Action/Comments							

No Photos

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Culverts:	Inlets / Outlets	3	39.5692	48°	39.569248°	
item				-121.9825	69°	-121.982569°	
DWR ID	DWR_NA0	060_225_t _ 20	13_7			·	
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	8				
LM End	0.00	Issue Type +	Ma	Location *	LS				
Structures & Concrete Lined			GPS Latitude/Longitude						
Calegory	Channels Channels			Start		End			
ltom		Breaks / Hole	s/	39.56924	3°	39.569248	0		
Item Cracks				-121.98256	9°	-121.982569	0		
DWR ID	DWR_NA0	060_225_t _ 20	13_8						
	A ation /Common anto								

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR NA0060 225 t 2013 9 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 39.569248° 39.569248 ° Item -121.982569° -121.982569 ° DWR_NA0060_225_t _ 2013_10 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Flap Gate	S		39.56924	B°	39.569248	
пеш				-121.98256	9°	-121.982569	
DWR ID	DWR_NA0	060_225_t _ 20	13_11				
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 12 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Sluice/Slide Gates 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_12

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 13 0.00 Issue Type + Ma Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Electric Gate Operators 39.569248° 39.569248 ° Item -121.982569 ° -121.982569 ° DWR_NA0060_225_t _ 2013_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Manual G	ate Operators		39.56924	18°	39.569248 °	
пеш			-121.98256	69°	-121.982569 °		
DWR ID	DWR_NA0	060_225_t _ 20	13_14				
A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 M 15 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Surfaces 39.569248° 39.569248° Item -121.982569 ° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_15

Action/Comments

Inspector Comments: Damaged portions of the concrete surfaces should be repaired.



View of the damaged concrete surface.

LM Start	0.00	Rating **	Α	Issue No.	16		_		
LM End	0.00	Issue Type +	Ma	Location *	LS				
Structures & Concrete Lined			GPS Lat	tuc	le/Longitude				
Category	Channels		Start		End				
Item	Concrete	Tilting / Settle	ment	39.56924	в°	39.569248	0		
пеш		-121.98256	9°	-121.982569	0				
DWR ID	DWR_NA0	060_225_t _ 20	13_16						
	Action/Comments								

No Photos

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ма	Location *		LS
Category		s & Concrete I	Lined	GPS L	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Concrete Foundations			39.5692	248°	39.569248°
item				-121.982569 °		-121.982569°
DWR ID	DWR_NA0	060_225_t _ 20	13_17			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channe		5		Start		End	
Item	Security Fencing		39.56924	18°	39.569248 °		
пеш				-121.98256	69°	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_18				
A :: 10							

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Closure Structures			39.5692	48°	39.569248°	
item				-121.9825	69°	-121.982569°	
DWR ID	DWR_NA0060_225_t _ 2013_19						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side

WS: Water Side

CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Trash Rakes		39.56924	8 °	39.569248 °		
пеш				-121.98256	9°	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_20				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels			Start		End		
Other Metallic Items		39.56924	8°	39.569248	0		
пеш				-121.98256	9°	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_21				
		A ation /	Camma	n+0			

Action/Comments Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 22 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Monolith Joints 39.569248° 39.569248 ° Item -121.982569° -121.982569 ° DWR_NA0060_225_t _ 2013_22 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ма	Location *	LS		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End			
Item	Safety			39.56924	18°	39.569248 °	
item			-121.98256	69°	-121.982569 °		
DWR ID	DWR_NA0	060_225_t _ 20	13_24				
A :: 10							

Action/Comments

Inspector Comments: There are no safety features built in or necessary at this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Α 23 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 39.569248° 39.569248° Item Manual -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_23

Action/Comments

Inspector Comments: There is not an O+M manual for this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Highland Canal Diversion Weir And Drainage Structure	

Structure Rating	Α
Date of Inspection	6/25/2019
DWR Inspector	Zach Jojola
Accompanied By	Makar Sokol DWR

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Channels		Start		End		
Item	Photo Documentation			39.1263	17°	39.126317°
пеш				-122.882733 °		-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_1			
Action/Comments						

Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.



View of the weir. Summer 2019.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined		GPS Latitude/Longitu				
Category			Start		End		
Item	Vegetatio	n & Obstructio	ons	39.1263 ²	7°	39.126317	۰
item				-122.88273	33 °	-122.882733	0
DWR ID	DWR_NA0	009_7_t _ 2012	_2				

Action/Comments

Inspector Comments: There is some minor vegetation that will not impede the flow of water through the culvert or over the weir structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Shoaling /	Sedimentation	on	39.1263	7°	39.126317	0
Item			-122.88273	33°	-122.882733	0	
DWR ID	DWR_NA0	009_7_t _ 2012	_3				

Action/Comments

Inspector Comments: No shoaling or sedimentation was present.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	4				
LM End	0.00	Issue Type +	Ma	Location *					
Catagony	Structures & Concrete Lined			Structures & Concrete Lined			GPS La	atitud	e/Longitude
Calegory	Category			Start		End			
Item	Erosion /	Bank Caving		39.1263	17°	39.126317°			
пеш	item			-122.8827	33 °	-122.882733 °			
DWR ID	DWR_NA0	009_7_t _ 2012	_4						

Action/Comments

Inspector Comments: No active erosion or active bank caving was observed around the structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Revetments 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR_NA0060_7_t _ 2018_5

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Encroach	ments		39.12631	7°	39.126317°
пеш				-122.88273	3°	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_6			
	Action/Comments					

Inspector Comments: No debris was found at the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.	7				
LM End	0.00	Issue Type +	Ma Location *						
Cotogony	Structures & Concrete Lined			Structures & Concrete Lined			GPS Lat	itud	e/Longitude
Category Channels				Start		End			
Item	Culverts:	Inlets / Outlets	3	39.12631	7 °	39.126317°			
пеш				-122.88273	3°	-122.882733 °			
DWR ID	DWR_NA0009_7_t _ 2012_7								
Action/Comments									

Inspector Comments: There is some debris in the culvert. The Sutter Yard confirmed they will remove it when the water levels decrease.

LM Start	0.00	Rating **	М	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the inlets. Summer 2019.

Photo 2 of 2: ST_2019_NA0060_7_7_20190627_00010.jpg



View of the outlets. Summer 2019.

LM Start	0.00	Rating **	Α	Issue No.		8		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category Channels			Start	Start Er			
Item		Breaks / Hole	s/	39.12631	7°	39.126317		
пеш	Cracks					-122.882733		
DWR ID	DWR_NA0	009_7_t _ 2012	_8					
	Action/Comments							
Inspector (nspector Comments: There were no visible breaks, holes, or cracks							

detected in the culvert.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined			Structures & Concrete Lined GPS Latitude/Lor				e/Longitude
Calegory	Category Channels			Start		End		
Itom	Metal Pipe	es		39.1263	17°	39.126317°		
Item			-122.8827	33 °	-122.882733 °			
DWR ID	DWR_NA0	009_7_t _ 2012	_9					
	A :: 10							

Action/Comments

Inspector Comments: The outlet pipes appeared to be in good condition.

Issue No. LM Start 0.00 Rating ** Ν 10 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR NA0009 7 t 2012 10

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 11 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 39.126317° 39.126317 ° Item -122.882733 ° -122.882733 ° DWR ID DWR_NA0009_7_t _ 2012_11 Action/Comments

Inspector Comments: Some debris is preventing the flap gate from closing. The Sutter Yard confirmed they will clear out the debris once

the water levels decrease.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category		Start		End		
Item	Sluice/Slide Gates			39.1263	17°	39.126317°
пеш				-122.8827	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_12			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		13		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End		
Item	Electric Gate Operators			39.1263	17°	39.126317	٥	
				-122.88273	33 °	-122.882733	٥	
DWR ID	DWR_NA0	009_7_t _ 2012	_13					
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		14			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude					
Category				Start		End			
Item	Manual Gate Operators			39.1263	17°	39.126317	0		
				-122.8827	33°	-122.882733	0		
DWR ID	DWR_NA0	009_7_t _ 2012	_14						
	Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End	
Item	Concrete Surfaces			39.12631	7°	39.126317°
item			-122.882733 ° -122	-122.882733 °		
DWR ID	DWR_NA0	009_7_t _ 2012	_15			·
		Action/	Comme	nts		

Inspector Comments: There was some minor cracking and scaling on the concrete structure do to its age, but this does not appear to threaten its structural integrity.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 4 : ST_2019_NA0060_7_15_20190701_00011.jpg
06. 8 2019
30,20,2013

View of the concrete weir structure. Summer 2019.

Photo 2 of 4: ST_2019_NA0060_7_15_20190701_00012.jpg



View of the weir stilling basin. Summer 2019.

Photo 3 of 4: ST_2019_NA0060_7_15_20190701_00013.jpg

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir structure facing towards the downstream relief channel. Summer 2019.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category		Start		End		
ltom	Concrete Surfaces			39.1263	17°	39.126317°
item	Item			-122.8827	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_15			
Action/Comments						

Inspector Comments: There was some minor cracking and scaling on the concrete structure do to its age, but this does not appear to threaten its structural integrity.



View of the structure facing towards the inlets. Summer 2019.

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Concrete	Tilting / Settle	ment	39.12631	7°	39.126317°
пеш				-122.88273	3°	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_16			

Action/Comments

Inspector Comments: There are no visible areas of tilting or settlement.

No F	Photos	

LM Start	0.00 Rating ** A			Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item	Concrete Foundations			39.1263	17°	39.126317°
пеш			-122.8827	33 °	-122.882733 °	
DWR ID	LID DWR_NA0009_7_t _ 2012_17					
Action/Comments						

Inspector Comments: No scouring or erosion was found near the structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ма	Location *			
Category	s & Concrete I	GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Item	Security Fencing			39.1263	17°	39.126317°	
пеш	em				33 °	-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_18						
	A ation / Common anto						

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 19 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR_NA0009_7_t _ 2012_19

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 39.126317° 39.126317 ° Item -122.882733 ° -122.882733 ° DWR ID DWR_NA0009_7_t _ 2012_20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End
Item	Other Metallic Items			39.12631	17°	39.126317°
пеш	item			-122.88273	33°	-122.882733 °
DWR ID	R ID DWR_NA0009_7_t _ 2012_21					
A - 1' 1O 1 -						

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR_NA0060_7_t _ 2014_22

Action/Comments

Inspector Comments: The monolith joints material were in good condition.

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	GPS Latitude/Longitude					
Channels				Start		End	
Item	Safety			39.1263	17°	39.126317°	
item	-122.882733 ° -122.8						
DWR ID DWR_NA0009_7_t _ 2012_23							
Action/Comments							

Inspector Comments: There were no safety hazards around the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Itom	Operation & Maintenance Manual			39.1263	17°	39.126317°	
пеш				-122.8827	33 °	-122.882733 °	
DWR ID	DWR ID DWR_NA0060_7_t _ 2013_24						
Action/Comments							
Inspector (Inspector Comments: The district has the O&M manual in their office.						

No Photos

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Little Chico Creek Control And Weir Structures	

Structure Rating	Α
Date of Inspection	7/2/2019
DWR Inspector	Sterling York
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ма	Location *			
Category	GPS La	atitud	e/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation				55 °	39.733555°	
item				-121.7717	72 °	-121.771772°	
DWR ID DWR_NA0060_9_t _ 2012_1							
Action/Comments							

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the Little Chico Structure looking upstream, 2019.

Photo 2 of 6: ST_2019_NA0060_9_1_20190710_00023.jpg



View of the Little Chico Structure looking south, 2019.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the Little Chico Structure looking south over the weir, 2019.

* Location LS: Land Side WS: Water Side CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

ain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	e/Longitude	
Category	Channels			Start		End	
Item	Photo Documentation			39.7335	55°	39.733555 °	
item				-121.7717	72 °	-121.771772°	
DWR ID	DWR ID DWR_NA0060_9_t _ 2012_1						
		Action/	Comme	nts			

	11010
	20
	Y I TO Y
	4.354

Photo 4 of 6: ST_2019_NA0060_9_1_20190710_00022.jpg

View of the Little Chico Structure looking north, 2019.

Photo 5 of 6: ST_2019_NA0060_9_1_20190710_00024.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the control structure looking downstream, 2019.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the Little Chico Weir Structure looking upstream, 2019.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category		Structures & Concrete Lined				e/Longitude	
Calegory	Channels		Start		End		
Item	Vegetation & Obstructions				5 °	39.733555°	
пеш				-121.77177	'2 °	-121.771772°	
DWR ID	DWR_NA0	_2					
Action/Comments							

Inspector Comments: Any unwanted vegetation should be removed before winter, 2019.

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 3 : ST_2019_NA0060_9_2_20190710_00026.jpg

This is a view looking upstream at the vegetation from the weir, 2019.

Photo 2 of 3: ST_2019_NA0060_9_2_20190710_00027.jpg



This is a view looking downstream from the weir at the vegetation, 2019.

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is a view looking downstream from the control structure at the vegetation, 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude		
Calegory	Category Channels		Start		End		
Item	Shoaling /	Sedimentation	on	39.7335	55°	39.733555	0
пеш				-121.7717	72 °	-121.771772	0
DWR ID	DWR_NA0	060_9_t _ 2012	_3				

Action/Comments

Inspector Comments: There appears to be little/no shoaling or sedimentation, the flow does not appear to be impeded.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 39.733555° 39.733555° Item -121.771772° -121.771772 ° DWR ID DWR NA0060 9 t 2012 4

Action/Comments

Inspector Comments: No erosion observed during inspection.

No Photos

Issue No. Rating ** LM Start 0.00 5 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 39.733555° 39.733555° Item -121.771772° -121.771772 ° DWR_NA0060_9_t _ 2012_5 DWR ID Action/Comments

Inspector Comments: Riprap appeared to be in place and sufficient.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	Encroach	ments		39.7335	55 °	39.733555°
пеш			-121.7717	72 °	-121.771772°	
DWR ID DWR_NA0060_9_t _ 2012_6						
Action/Comments						

Inspector Comments: Wood debris encroachment in the weir has been removed, 2019.

LM Start	0.00	Rating **	Α	Issue No.	6 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of the weir with the removed debris, 2019.

Photo 2 of 2: ST_2019_NA0060_9_6_20190701_00011.jpg



View of a few logs trapped in the weir, 2018.

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude	
Calegory	Channels	Channels		Start		End
Item	Culverts:	Culverts: Inlets / Outlets		39.73355	55 °	39.733555 °
пеш				-121.77177	'2 °	-121.771772 °
DWR ID	DWR NA0	060 9 t 2012	7			

Action/Comments

Inspector Comments: Inlets and outlets are clear of obstructions, 2019.



View of inlets clear of obstructions, 2019.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		7 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Culverts:	Inlets / Outlets	3	39.7335	55 °	39.733555 °
пеш				-121.7717	72 °	-121.771772 °
DWR ID	DWR_NA0060_9_t _ 2012_7					
Action/Comments						

Inspector Comments: Inlets and outlets are clear of obstructions, 2019.



View of outlets clear of obstructions, 2019.

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Item		Breaks / Hole	s/	39.7335	55 °	39.733555	0
пеш	Cracks		-121.7717	72 °	-121.771772	0	
DWR ID	DWR_NA0	060_9_t _ 2012	_8				
	Action/Comments						

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start End		End			
Item	Metal Pipe	es		39.7335	55 °	39.733555	0
item		-121.7717	72 °	-121.771772	0		
DWR ID	DWR_NA0	060_9_t _ 2012	_9				
	A :: 10						

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Rad	cks		39.73355	55°	39.733555	
пеш				-121.77177	'2 °	-121.771772	
DWR ID	DWR_NA0	060_9_t _ 2012	_10				
		A -4: /	C	-1-			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Flap Gate	es .		39.7335	55 °	39.733555	0
пеш				-121.7717	72 °	-121.771772	0
DWR ID	DWR_NA0	060_9_t _ 2012	_11				
		A	<u> </u>				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

		D-4: **		Inner NI		4.0	_
LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Sluice/Sli	de Gates		39.7335	55°	39.733555	0
пеш				-121.7717	72 °	-121.771772	0
DWR ID	DWR_NA0	060_9_t _ 2012	_12				
			_				

Action/Comments

Inspector Comments: The two sluice gates on either end of the control structure are in good condition, 2019.



View of the two sluice gates on either end of the control structure, 2019.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		12 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	annels		Start		End
Item	Sluice/Sli	Sluice/Slide Gates			55 °	39.733555°
item				-121.7717	72 °	-121.771772°
DWR ID	D DWR_NA0060_9_t _ 2012_12					
Action/Comments						

Inspector Comments: The two sluice gates on either end of the control structure are in good condition, 2019.



View of the two sluice gates on either end of the control structure, 2019.

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ма	Location *		
Category Channels			GPS Latitude/Longitude			
Calegory	Channels	ls		Start		End
Item	Electric G	ate Operators	;	39.7335	55°	39.733555 °
пеш				-121.7717	72 °	-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_13			·
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start			End	
Item	Manual G	ate Operators	;	39.7335	55 °	39.733555	0
пеш				-121.7717	72 °	-121.771772	0
DWR ID	DWR_NA0	060_9_t _ 2012	_14				
		A -4:	0	-4-			

Action/Comments

Inspector Comments: There are no manual gates on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

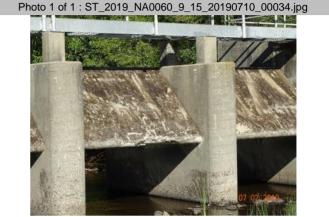
Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	3		Start		End
Item	Concrete	Surfaces		39.7335	55 °	39.733555°
пеш				-121.7717	72 °	-121.771772°
DWR ID	DWR_NA0	060_9_t _ 2012	_15			·
Action/Comments						

Inspector Comments: The concrete surface appears to be in good condition in most locations but one of the inlets is showing some wear and spalling, 2019.



View of one of the inlets that is showing some wear and spalling and rebar is exposed, 2019.

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude	
Calegory	Channels			Start		End
Item	Concrete	Tilting / Settle	ment	39.73355	5 °	39.733555 °
пеш				-121.77177	'2 °	-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012 ₋	_16			·

Action/Comments

Inspector Comments: No noticeable or identifiable areas of tilting, sliding or settlement were observed during inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels		GPS Latitude/Longitude					
Calegory	Channels	nnels		Start		End	
Item	Concrete	Foundations		39.7335	55 °	39.733555	0
пеш				-121.7717	72 °	-121.771772	0
DWR ID	DWR_NA0	060_9_t _ 2012	_17				
		Action/	Comme	nts			

Inspector Comments: The concrete foundation appears to be in good condition.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		18
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Security F	Security Fencing		39.73355	5 °	39.733555 °
пеш				-121.77177	2 °	-121.771772°
DWR ID	DWR_NA0	060_9_t _ 2012	_18			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude					
						End	
Item	Closure Structures			39.73355	55 °	39.733555	0
iteiii				-121.77177	'2 °	-121.771772	0
DWR ID	DWR_NA0	060_9_t _ 2012	_19				
		Action/	'Commei	nts			

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Rakes			39.7335	55 °	39.733555	0
пеш				-121.7717	72 °	-121.771772	٥
DWR ID	DWR_NA0	060_9_t _ 2012	_20				
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		21
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Other Met	Other Metallic Items		39.73355	5 °	39.733555 °
пеш				-121.77177	2 °	-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_21			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Α 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.733555° 39.733555° Item -121.771772° -121.771772 ° DWR ID DWR NA0060 9 t 2012 22

Action/Comments

Inspector Comments: Monolith joints appear to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels		Start		End	
Item	Safety			39.73355	5°	39.733555°
пеш				-121.77177	2°	-121.771772°
DWR ID	DWR_NA0	060_9_t _ 2012	_23			
			_			

Action/Comments

Inspector Comments: Hand rails are installed and are in good condition, 2019.

Photo 1 of 2: ST_2019_NA0060_9_23_20190710_00037.jpg



Hand rails are installed and are in good condition, 2019.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/02/2019 07/02/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		23 (cont)
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Safety		39.7335	55 °	39.733555 °	
пеш				-121.7717	72 °	-121.771772 °
DWR ID	DWR_NA0	060_9_t _ 2012	_23			·
Action/Comments						

Inspector Comments: Hand rails are installed and are in good condition, 2019.



Hand rails are installed and are in good condition, 2019.

		A	Issue No.		24	
LM End 0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End		
tom	Operation & Maintenance		39.7335	55 °	39.733555°	
Manual	Manual			72 °	-121.771772 °	
DWR ID DWR_NA	.0060_9_t _ 2013	_24				

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
M&T Ranch Overflow Structure	

Structure Rating	Α
Date of Inspection	7/25/2019
DWR Inspector	Makar Sokol
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End			
Itom	Photo Do	Photo Documentation			0°	39.674690°	
Item			-121.94701	0 °	-121.947010°		
DWR ID	DWR ID DWR_NA0014_228_t _ 2013_1						
Action/Comments							

Inspector Comments: Per Sutter Yard, the temporary berm on the upstream side of the structure was placed to divert the flow for the restoration project. The berm requires no maintenance and will erode naturally.

Golden Stigle Manid		
	M&T Hanch Overflow	
AC II		

Photo 1 of 3: ST_2019_NA0060_228_1_20190521_00001.jpg

The structure location is highlighted and is shown in relation to the Sacramento River.

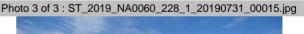
LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS

Photo 2 of 3: ST_2019_NA0060_228_1_20190726_00007.jpg



Typical view of the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS





View of the temporary berm on the upstream side of the overflow structure.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *	WS	
Cotogony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Vegetatio	Vegetation & Obstructions			90°	39.674690°
item	'			-121.9470	13 °	-121.947013°
DWR ID DWR_NA0014_228_t _ 2013_2						
Action/Comments						

Inspector Comments: The scattered piles of tree branches should be removed.

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS



View of the vegetation on the upstream side of the weir.

Photo 2 of 3: ST_2019_NA0060_228_2_20190726_00008.jpg



View of the pile of tree branches; 0.1 miles from the structure's left bank.

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS



View of another pile of tree branches; 0.6 miles from the structure's left bank.

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

onitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Itom	Item Shoaling / Sedimentation			39.67469	90°	39.674690°	
пеш				-121.9470 ⁻	10°	-121.947010 °	
DWR ID	WR ID DWR_NA0014_228_t _ 2013_3						
Action/Comments							

Inspector Comments: No shoaling or sedimentation observed during the inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Α 4 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 39.668789° 39.668789° Item -121.957170° -121.957170 ° DWR ID DWR_NA0014_228_t _ 2013_4

Action/Comments

No Photos

Rating ** Issue No. LM Start 0.00 5 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 39.674690° 39.674690° Item -121.947010° -121.947010° DWR_NA0014_228_t _ 2013_5 DWR ID Action/Comments

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	М	Issue No.		6
LM End	0.00	Issue Type +	En	Location *		WS
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Encroach	ments		39.6746	90°	39.674690°
пеш				-121.9470	10°	-121.947010 °
DWR ID DWR_NA0014_228_t _ 2013_6						
		Action/	Comme	nts		



View of the electrical wire fence encroachment on the upstream side of the structure.

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	hannels		Start		End	
Item	Culverts:	Inlets / Outlets	3	39.6746	90°	39.674690°	
пеш				-121.9470	10°	-121.947010°	
DWR ID	DWR_NA0	014_228_t _ 20	13_7				
	Action/Commants						

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item		Breaks / Hole	s/	39.6746	90°	39.674690	0
item	Cracks			-121.9470	10°	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_8				
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *	WS	
Cotogoni		s & Concrete I	GPS Latitude/Longitude		le/Longitude	
Calegory	Channels	nnels		Start		End
Item	Metal Pipe	es		39.67469	0 °	39.674690°
пеш				-121.94701	o°	-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20	13_9			
			_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR_NA0014_228_t _ 2013_10 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Issue No. Rating ** LM Start 0.00 11 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR_NA0014_228_t _ 2013_11 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ма	Location *	WS	
Cotogoni	Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude	
Calegory	Channels	hannels		Start		End
Item	Sluice/Sli	de Gates		39.67469	°	39.674690°
пеш				-121.94701	°	-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20 ⁻	13_12			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 13 Issue Type + 0.00 Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_13

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ма	Location *		WS	
Category	Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude		
Calegory	Channels		Start		End		
Item	Manual G	ate Operators		39.67469	90°	39.674690	0
пеш				-121.9470 ⁻	10°	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_14				
		Action/	Commer	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		WS
Category	Structures & Concrete Lined				atitud	e/Longitude
Calegory	Channels			Start		End
Item	Concrete	Surfaces		39.6746	90°	39.674690°
пеш				-121.9470	10°	-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20	13_15			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	39.67469	90°	39.674690	0
пеш				-121.9470 ⁻	10°	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_16				
	Action/Comments						

No Photos

							_
LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Category	Structures & Concrete Lined			GPS La	atituc	le/Longitude	
Calegory	Channels	nannels		Start		End	
Item	Concrete	Foundations		39.6746	90°	39.674690	0
пеш				-121.9470	10°	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_17				
	Action/Comments						

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	18	
LM End	0.00	Issue Type +	Ма	Location *	WS	
Category	Structures & Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Security F	encing		39.67469	0 °	39.674690 °
пеш				-121.94701	0 °	-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20	13_18			
		A .: /	_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 19 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_19

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Rakes		39.674690°		° 39.674690		
пеш					10°	-121.947010 °	
DWR ID DWR_NA0014_228_t _ 2013_20							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
e C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *	WS	
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Other Metallic Items		39.67469	0 °	39.674690 °	
пеш				-121.94701	0 °	-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20	13_21			
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 22 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_22

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 23 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR_NA0014_228_t _ 2013 23 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		07/25/2019 07/25/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item		Operation & Maintenance Manual			90°	39.674690 °	
item	Manual				10°	-121.947010 °	
DWR ID	DWR ID DWR_NA0014_228_t _ 2013_24						
Action/Comments							
Inspector Comments: No O&M Manual exists for this structure.							

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Middle Creek Pumping Plant	

Pumping Plant Rating	A
Date of Inspection	6/25/2019
DWR Inspector	Zach Jojola
Accompanied By	Makar Sokol DWR

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	1			
LM End	0.00	Issue Type +	Ма	Location *				
Category	Pump Sta	itions	GPS Latitude/Longitud		e/Longitude			
Calegory				Start		End		
Item	Operating	Log		39.142300	°	39.142300°		
пеш				-122.902350	°	-122.902350 °		
DWR ID	DWR_NA0	060_17_t _ 201	2_1					
	A 11 10							

Action/Comments

Inspector Comments: The operating log was up to date and present at the pump station. This pump was operated continuously during the 2019 flood season.

No Photos

Rating ** Issue No. LM Start 0.00 Α 2 Issue Type + 0.00 Ма Location * LM End Pump Stations GPS Latitude/Longitude Category Operation & Maintenance 39.142300° 39.142300° Item Manual -122.902350° -122.902350 ° DWR_NA0060_17_t _ 2012_2 DWR ID

Action/Comments

Inspector Comments: The O&M manual was present at the pumping plant.

No Photos

LM Start	0.00	Rating **	М	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS La	titud	e/Longitude	
Calegory				Start		End	
Item	Plant Buil	ding		39.1423	00°	39.142300	٥
пеш				-122.9023	50°	-122.902350	٥
DWR ID	DWR_NA0	060_17_t _ 201	2_3				

Action/Comments

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure has some differential settlement that appears to be stable.

Photo 1 of 3: ST_2019_NA0060_17_3_20190701_00013.jpg



View of the pumping plant. Summer 2019.

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.		3 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Calegory	Category					End
ltom	Plant Buil	ding		39.1423	00°	39.142300°
пеш	Item					-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_3						
	Action/Comments					

Action/Comments

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure has some differential settlement that appears to be stable.

LM Start	0.00	Rating **	М	Issue No.	3 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of adjacent structure. Summer 2019.

Photo 3 of 3: ST_2019_NA0060_17_3_20190701_00015.jpg



View of stabilized settlement on the adjacent structure. Summer 2019.

LM Start	0.00	Rating **	Α	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Communi	cations		39.142300	°	39.142300°
пеш				-122.902350	°	-122.902350 °
DWR ID	DWR_NA0	060_17_t _ 201	2_4			

Action/Comments

Inspector Comments: A cellular phone is available for the pump station operator.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

* Rating

A : Acceptable M : Minimally Acceptable N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category	alegory					End	
Item	Safety			39.14230	o°	39.142300 °	
пеш			-122.90235	o°	-122.902350 °		
DWR ID DWR_NA0060_17_t _ 2012_5							
	Action/Comments						

Inspector Comments: No safety hazard was present around the plant. All of the guard rails and fences were secured and in good condition.

No Photos

Rating ** Issue No. LM Start 0.00 Ν Issue Type + 0.00 Location * Ma LM End **Pump Stations** GPS Latitude/Longitude Category Cranes 39.142300° 39.142300° Item -122.902350 ° -122.902350 ° DWR NA0060 17 t 2013 6 DWR ID

Action/Comments

Inspector Comments: A crane doesn't exist at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS La	titud	e/Longitude
Calegory				Start		End
Item	Pumps			39.14230	00°	39.142300°
пеш				-122.9023	50°	-122.902350 °
DWR ID	D DWR_NA0060_17_t _ 2012_7					

Action/Comments

Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.

Photo 1 of 1: ST_2019_NA0060_17_7_20190701_00016.jpg



View of the three pumps. Summer 2019.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Item	Power			39.14230	0°	39.142300°
пеш				-122.90235	° 0	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_8						

Action/Comments

Inspector Comments: The power source appears to be reliable and safe.



View of the powerlines that supply power to the plant. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Latitude/Longitude				
Category			Start		End		
Item	· '	ngines, Fans	& Gear	39.1423	00°	39.142300°	
item	Reducers			-122.9023	50°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2019_10							
		Action/	Commo	nte			

Inspector Comments: There were no motors or fans present at this plant other than the pumps.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Pump Stations				GPS Latitude/Longitude		
Category				Start		End
Item	Pump Co	ntrol Systems		39.14230	0°	39.142300°
пеш				-122.90235	0°	-122.902350 °
DWR ID	/R ID DWR_NA0060_17_t _ 2012_11					

Action/Comments

Inspector Comments: The pump control systems appeared to be operational and free of damage.



View of the pump controls. Summer 2019.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ма	Location *			
Catagonia Pump Stations				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Sumps/W	et Well		39.14230	0°	39.142300°	
item	-122.90					-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2013_12							
	A :: 10						

Action/Comments

Inspector Comments: Wet wells were clear of debris.



View of the wet well and intake pipes. Summer 2019.

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta		GPS Latitude/Longitude			
Calegory				Start		End
Item	Trash Rad	cks		39.1423	00°	39.142300°
item			-122.9023	50°	-122.902350 °	
DWR ID	DWR_NA0060_17_t _ 2012_13					

Action/Comments

Inspector Comments: Trash racks appeared to be in good condition and free of debris.



View of the trash racks. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Category				Start		End	
Item	Trash Ral	kes		39.1423	00°	39.142300	0
пеш		-122.9023	50°	-122.902350	0		
DWR ID DWR_NA0060_17_t _ 2013_14							
Action/Comments							

Inspector Comments: A trash rake doesn't exist at this location.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category	itions	GPS Latitude/Longitude					
Category				Start		End	
Item	Sluice / S	lide Gates		39.1423	00°	39.142300°	
						-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2013_15							
Action/Comments							

Inspector Comments: The slide gates are in good working condition.



View of the slide gates. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.	16		
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	tions	GPS Latitude/Longitude					
Category				Start		End	
Item	Electric G	ate Operators	i	39.1423	00°	39.142300°	
						-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_16							
		Action/	Commo	nte			

Inspector Comments: No electric gate operator was present in this plant.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	itions	GPS Latitude/Longitude				
Calegory	Calegory					End
Item	Manual G	ate Operators		39.1423	00°	39.142300 °
пеш				-122.9023	50°	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_17						
Action/Comments						

Inspector Comments: The manual gate operators are in good working condition.



View of a manual operator at the plant. Summer 2019.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	itions		GPS Latitude/Longitude			
Calegory	Start End						
Item	Manual G	ate Operators		39.14230	00°	39.142300°	
пеш				-122.90235	0°	-122.902350°	
DWR ID DWR_NA0060_17_t _ 2012_17							
Action/Comments							

Inspector Comments: The manual gate operators are in good working condition.



Another view of the manual operator. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		18		
LM End	0.00	Issue Type +	Ma	Location *				
Category	tions	GPS Latitude/Longitude						
Calegory				Start		End		
Item	Other Met	allic Items		39.1423	00°	39.142300°		
пеш	-122.902350 ° -122.902350							
DWR ID DWR_NA0060_17_t _ 2012_18								
	A 6. 10							

Action/Comments

Inspector Comments: All other metallic parts appeared to be in good condition.

No Photos

LM Start	0.00	Rating **	Ν	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	GPS La	titud	e/Longitude		
Calegory	Calegory					End
Item	Flap Gate	es .		39.14230	0°	39.142300
пеш				-122.90235	0°	-122.902350
DWR ID	DWR_NA0	060_17_t _ 201:	3_19			`

Action/Comments

Inspector Comments: Flap gates don't exist at this location. Instead a backflow prevention device is used to perform similar task as the flap gates.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		06/25/2019 06/25/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions		GPS Latitude/Longitude			
Start					End		
Item	Closure S	tructures		39.14230	00°	39.142300°	
пеш				-122.9023	60°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_20							
Action/Comments							

Inspector Comments: No closure structure exists in this plant.

Rating ** Issue No. LM Start 0.00 Α 21 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Security Fencing 39.142300° 39.142300° Item -122.902350° -122.902350 ° DWR_NA0060_17_t _ 2012_21 DWR ID

Action/Comments

Inspector Comments: Security fencing appeared to be in good condition.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 22 0.00 Issue Type + Ма Location * LM End Pump Stations GPS Latitude/Longitude Category End Start Intake and Discharge Pipes 39.142300° 39.142300° Item -122.902350° -122.902350 ° DWR_NA0060_17_t _ 2012_22 DWR ID

Action/Comments

Inspector Comments: The pipes appeared to be in good working condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Moulton Weir

Structure Rating	Α
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff DWR

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

Item	LM Start	tart 0.00	Rating **	N	Issue No.		1
Category Channels Start End Item Photo Documentation 39.338242° 39.3382 -122.022073° -122.0220 DWR ID DWR_NA0060_4_t _ 2012_1	LM End	nd 0.00	Issue Type +	Ma	Location *		
Start End	Category	ion/	& Concrete I	Lined	GPS La	atitud	e/Longitude
Tem Tem	Category	Channels			Start		End
DWR ID DWR_NA0060_4_t _ 2012_1	ltem		Photo Documentation			42 °	39.338242
	item	•				73 °	-122.022073
Action/Comments	DWR ID DWR_NA0060_4_t _ 2012_1						
			Action/	Commer (Commer	nts		

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Photo Do	cumentation	39.3382	42°	39.338242 °		
пеш		-122.022073 °					
DWR ID DWR_NA0060_4_t _ 2012_1							
		Action/	Comme	nts			

Photo 1 of 6 : ST_2019_NA0060_	4_1_20190718_00022.jp
A STATE OF THE PARTY OF THE PAR	
	1 W.
The state of the s	07 17 2019

View of the weir from the left bank abutment.

LM Start 0.00 Rating ** Issue No. 1 (cont) Issue Type + Location * LM End 0.00 Ma

Photo 2 of 6: ST_2019_NA0060_4_1_20190718_00018.jpg



View of the weir from the right bank abutment. Photo 3 of 6: ST_2019_NA0060_4_1_20190718_00019.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the upstream of the weir from the right bank.

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitu	de/Longitude
Calegory	Channels			Start		End
Item	Photo Do	Photo Documentation			42 °	39.338242 °
пеш				-122.0220	73 °	-122.022073 °
DWR ID DWR_NA0060_4_t _ 2012_1						
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Issue Type +

Photo 4 of 6: ST_2019_NA0060_4_1_20190718_00025.jpg

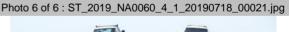
View of the downstream of the weir from the right bank.

Photo 5 of 6: ST_2019_NA0060_4_1_20190718_00020.jpg



View of the left bank abutment.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of the right bank abutment.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

.00	Issue Type +	N 4 -			
4		Ма	Location *		
Structures & Concrete Lined Channels			GPS Latitude/Longitude		
			Start		End
Vegetation & Obstructions			39.33824	12°	39.338242 °
		-122.02207	73 °	-122.022073 °	
DWR ID DWR_NA0060_4_t _ 2012_2					
Action/Comments					
	etation	etation & Obstruction	retation & Obstructions	retation & Obstructions 39.33824 -122.02207 R_NA0060_4_t _ 2012_2	retation & Obstructions 39.338242 ° -122.022073 ° R_NA0060_4_t _ 2012_2

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start E		End	
Shoaling / Sedimentation			39.3382	42 °	39.338242	0	
item			-122.0220	73 °	-122.022073	0	
DWR ID	DWR_NA0	060_4_t _ 2012	_3				
Action/Comments							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels						End	
Erosion / Bank Caving			39.3382	42°	39.338242°		
item			-122.0220	73°	-122.022073 °		
DWR ID	DWR_NA0	060_4_t _ 2012	_4			·	
Action/Comments							

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Revetments			39.3382	42 °	39.338242 °	
пеш			-122.0220	73 °	-122.022073 °		
DWR ID	DWR_NA0	060_4_t _ 2012	_5				
	Action/Comments						

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

Photo 1 of 1: ST_2019_NA0060_4_5_20190718_00026.jpg



View of the revetment along the downstream side of the weir.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachments			39.33824	12°	39.338242	0
пеш				-122.02207	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_6				
		Action/	Comme	nts			

No Photos

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	5	39.3382	42 °	39.338242	0
пеш				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_7				
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Category Channe	Channels			Start		End	
Itom		Breaks / Holes /		39.3382	42 °	39.338242	٥
LM End 0.00 Category Structur Channe Item Culverts Cracks	Cracks			-122.0220	73 °	-122.022073	٥
DWR ID	DWR_NA0	060_4_t _ 2012	_8				
		A .:	O				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni		s & Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Metal Pipes			39.3382	42 °	39.338242	0
пеш				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_9				
			_				

No Photos

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Racks			39.3382	42 °	39.338242 °	
пеш			-122.0220	73°	-122.022073 °		
DWR ID DWR_NA0060_4_t _ 2012_10							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side

CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ма	Location *			
Category		& Concrete I	_ined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Flap Gate	Flap Gates		39.3382	42 °	39.338242	
пеш				-122.0220	73 °	-122.022073	
DWR ID	DWR_NA0	060_4_t _ 2012	_11				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

	LM Start	0.00	Rating **	N	Issue No.		12	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category		s & Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory Char		Channels			Start		End	
	Item	Sluice/Sli	de Gates		39.3382	42°	39.338242	0
	пеш				-122.0220	73 °	-122.022073	0
	DWR ID	DWR_NA0	060_4_t _ 2012	_12				
				_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 13 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Electric Gate Operators 39.338242° 39.338242° Item -122.022073 ° -122.022073 ° DWR_NA0060_4_t _ 2012_13 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Mainte

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels		Start		End		
Item	Manual G	ate Operators		39.33824	2°	39.338242	
пеш			-122.022073 °			-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_14				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Concrete	Concrete Surfaces		39.3382	42 °	39.338242°
iteiii			-122.0220	73 °	-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_15			

Action/Comments

Inspector Comments: Some spalling and cracking is present, but it does not appear to be significant.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of a longitudinal crack along a vertical concrete section.

Photo 2 of 2: ST_2019_NA0060_4_15_20190731_00029.jpg



View of the spalling at one of the joints.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

Issue Type +	Ма	Location *		
res & Concrete				
	Lined	GPS La	titud	e/Longitude
els		Start		End
te Tilting / Settle	ement	39.33824	12 °	39.338242 °
		-122.02207	73 °	-122.022073 °
40060_4_t _ 2012	2_16			
Action	/Comme	nts		
el	ete Tilting / Settle	ete Tilting / Settlement	start ster Tilting / Settlement 39.33824 -122.02207	start stee Tilting / Settlement 39.338242 ° -122.022073 ° IA0060_4_t _ 2012_16

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category	GPS La	atitud	le/Longitude				
Calegory	Channels					End	
Item	Concrete	Foundations		39.3382	42 °	39.338242	٥
пеш				-122.0220	73 °	-122.022073	٥
DWR ID DWR_NA0060_4_t _ 2012_17							
	Action/Comments						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atituc	le/Longitude	
Calegory	Channels			Start		End	
Item	Security F	encing		39.3382	42°	39.338242	0
пеш				-122.0220	73°	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_18				
	Action/Comments						

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Closure S	structures		39.3382	42 °	39.338242	0
пеш				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_19				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

 LM Start
 0.00
 Rating **
 N
 Issue No.
 20

 LM End
 0.00
 Issue Type +
 Ma
 Location *

 Structures & Concrete Lined
 GPS Latitude/Longitude

 Category
 Channels
 Start
 End

 Item
 Trash Rakes
 39.338242°
 39.338242°

 -122.022073°
 -122.022073°
 -122.022073°

DWR ID DWR_NA0060_4_t _ 2012_20

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.338242° 39.338242° Item -122.022073 ° -122.022073 ° DWR_NA0060_4_t _ 2012_21 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Monolith .	loints		39.33824	42 °	39.338242 °	
пеш				-122.0220	73 °	-122.022073 °	
DWR ID	WR ID DWR_NA0060_4_t _ 2012_22						
Action/Comments							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels					End
Item	Safety			39.3382	42 °	39.338242 °
пеш				-122.0220	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_23			

Action/Comments

Inspector Comments: Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.



View of the safety and guard railing around the left bank abutment.

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Operation & Maintenance		39.33824	2°	39.338242°		
пеш	Manual			-122.022073	3°	-122.022073 °	
DWR ID	R ID DWR_NA0060_4_t _ 2013_24						
	Action/Comments						

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Nelson Bend	

Structure Rating	Α
Date of Inspection	7/1/2019
DWR Inspector	Sterling York
Accompanied By	Robert Duffey

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.	1			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels			Start		End		
ltom	Photo Documentation			38.895500°		38.887450 °		
Item				-121.616950 °		-121.615330°		
DWR ID DWR_NA0060_54_t _ 2012_1					·			
	Action/Comments							

Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View looking south of Nelson Bend Rock Quarry Weir, 2019.

Photo 2 of 2: ST_2019_NA0060_54_1_20190708_00005.jpg



View looking north of Nelson Bend Rock Quarry Weir, 2019.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	nels		Start		End
Item	Vegetatio	n & Obstruction	ons	38.89550	0°	38.887450 °
пеш			-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 2012	2_2			·

Action/Comments

Inspector Comments: There is scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. May impede flow in a high water event.



View of the vegetation that is overgrowing the rock weir looking north, 2019.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	М	Issue No.		2 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End	
Item	Vegetation & Obstructions			38.895500°		38.887450°
item				-121.616950 °		-121.615330°
DWR ID DWR_NA0060_54_t _ 2012_2						
Action/Comments						

Inspector Comments: There is scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. May impede flow in a high water event.



View of the vegetation that is overgrowing the rock weir looking south, 2019.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the vegetation around the rock weir looking upstream, 2019.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			GPS Latitude/Longitude				
Odlogory	Channels			Start		End	
Item	Shoaling / Sedimentation		38.895500°		38.887450		
пеш				-121.616950 °		-121.615330 °	
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_3						
		Action/	Comme	nts			
Inspector (Comments	: No shoaling	or sedin	nentation p	rese	nt.	

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

Monday, August 26, 2019 14:27

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Category Channels			GPS Latitude/Longitude		
Calegory	Channels	nels		Start		End
Item	Erosion /	Bank Caving		38.89550	o°	38.887450°
пеш				-121.61695	o°	-121.615330°
DWR ID	DWR_NA0	060_54_t _ 201	2_4			
		A .: /	_			

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the waterside of the levee / channel.

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End	
Item	Revetmer	nts		38.89550	0°	38.887450	0
iteiii				-121.61695	0°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_5				

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap visible.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Encroachments		38.89550	0°	38.887450	0	
item				-121.61695	0°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_6				
		Action/	'Commei	nts			

Inspector Comments: No trash, debris, excavation, structures, or other obstructions are present within the easement.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	nannels		Start		End	
Item	Culverts:	Inlets / Outlets	5	38.89550	o°	38.887450 °	
пеш				-121.61695	o°	-121.615330 °	
DWR ID	DWR_NA0060_54_t _ 2012_7						
	Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item		Breaks / Hole	s/	38.89550	o°	38.887450	0
пеш	Cracks			-121.61695	o°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_8				
			_				

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ма	Location *			
Category Structures & Concrete Lined Channels			_ined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Metal Pipe	es		38.89550	00°	38.887450	٥
пеш				-121.6169	50°	-121.615330	٥
DWR ID	DWR_NA0	060_54_t _ 201	2_9				
		Action/	Comme	nts			

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Rad	Trash Racks		38.89550	00°	38.887450 °	
пеш				-121.6169	50°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_10				
	Action/Comments						

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels	hannels		Start		End	
Item	Flap Gate	s		38.89550	00°	38.887450	0
item	·			-121.6169	50°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_11				

Action/Comments

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	nnels		Start		End
Item	Sluice/Slic	de Gates		38.8955	00°	38.887450°
пеш				-121.6169	50°	-121.615330 °
DWR ID	DWR_NA0	060_54_t _ 201	2_12			

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Category Channels					End
Item	Electric G	ate Operators	;	38.89550	0°	38.887450°
пеш				-121.61695	0°	-121.615330°
DWR ID DWR_NA0060_54_t _ 2012_13						
		Action/	Comme	nts		

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Manual Gate Operators 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR NA0060 54 t 2012 14 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 15 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Surfaces 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR_NA0060_54_t _ 2012_15 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		16		
LM End	0.00	Issue Type +	Ma	Location *				
Category	s & Concrete I	GPS Latitude/Longitude						
Calegory	Channels			Start		End		
Item	Concrete	Tilting / Settle	ment	38.89550	00°	38.887450 °		
пеш				-121.61695	60°	-121.615330°		
DWR ID DWR_NA0060_54_t _ 2012_16								
	Action/Comments							

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Ν 17 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR ID DWR NA0060 54 t 2012 17

Action/Comments Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 18 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR_NA0060_54_t _ 2012_18 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures	GPS Lat	tuc	le/Longitude		
Calegory	Channels			Start		End
Item	Closure S	tructures		38.89550	o°	38.887450°
пеш				-121.61695	o°	-121.615330 °
DWR ID	R ID DWR_NA0060_54_t _ 2012_19					
		Action/	Comme	nts		

No Photos

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		20			
LM End	0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined				GPS Latitude/Longitude					
Calegory	Channels Start			End					
Item	Trash Ral	ces		38.8955	00°	38.887450	0		
item				-121.6169	50°	-121.615330	0		
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_20								
	Action/Comments								

No Photos

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		21		
LM End	0.00	Issue Type +	Ma	Location *				
Category	& Concrete I	GPS Latitude/Longitude						
Calegory	Channels			Start		End		
Item	Other Met	allic Items		38.8955	00°	38.887450°		
пеш				-121.6169	50°	-121.615330 °		
DWR ID DWR_NA0060_54_t _ 2012_21								
Action/Comments								

No Photos

Inspector Comments: Item does not exist on this structure.

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/01/2019 07/01/2019	Sterling York

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined				d GPS Latitude/Longitude		
Calegory	Channels		Start		End		
Item	Monolith .	loints		38.89550	o°	38.887450 °	
пеш				-121.61695	0 °	-121.615330 °	
DWR ID	NR ID DWR_NA0060_54_t _ 2012_22						
		Action/	Commo	ntc			

No Photos

Action/Comments

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitu				
Calegory	Channels			Start		End	
Item	Safety			38.8955	00°	38.887450	0
пеш				-121.6169	50°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_23				

No Photos

Action/Comments

Inspector Comments: No hazards present.

LM Start	0.00	Rating **	Α	Issue No.		24		
LM End	0.00	Issue Type +	Ma	Location *				
Category	& Concrete I	GPS Latitude/Longitude						
Calegory	Channels			Start		End		
Item		& Maintenan	се	38.8955	00°	38.887450°		
item	Manual			-121.616950		-121.615330 °		
DWR ID DWR_NA0060_54_t _ 2013_24								
Action/Comments								

No Photos

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2019 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 1	

Pumping Plant Rating	Α
Date of Inspection	6/26/2019
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Itom	Item Operating Log			38.93181	5 °	38.931815°
пеш				-121.63433	1°	-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_1						
Action/Comments						

Inspector Comments: The operating log is kept on site.



View of operating log (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item		Operation & Maintenance			15°	38.931815°
пеш	Manual			-121.6343	31 °	-121.634331 °
DWR ID	DWR ID DWR_NA0060_21_t _ 2012_2					
			_			

Action/Comments

Inspector Comments: The O&M manual is available at the site. Sutter Maitenance Yard will provide documentation of future maitenance.



View of O&M Manual (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Plant Building			38.93181	5 °	38.931815°
item				-121.63433	1 °	-121.634331 °
DWR ID	D DWR_NA0060_21_t _ 2012_3					
Action/Comments						

Inspector Comments: Plant building appears to be in good working order.



View of the outside of the facility. Photo taken June, 2019.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Plant Building			38.9318 ⁻	15°	38.931815°	
пеш	em				31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_3							
Action/Comments							

Inspector Comments: Plant building appears to be in good working order.



View of the outside of the operating building. Photo taken June, 2019.

0.00	Rating **	Α	Issue No.		4
0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude		
			Start		End
ltem Communications			38.9318	15°	38.931815 °
			-121.6343	31 °	-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_4					
	0.00 Pump Sta	0.00 Issue Type + Pump Stations Communications	0.00 Issue Type + Ma Pump Stations Communications	0.00 Issue Type + Ma Location * Pump Stations GPS La Start Start Communications 38.9318 -121.6343:	0.00 Issue Type + Ma Location * Pump Stations GPS Latitud Start 38.931815 -121.634331 °

Action/Comments

Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control operating system (SCADA) appears to be operational.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ма	Location *		
Category	Cotogon/ Pump Stations			GPS Latitude/Longitude		
Calegory			Start		End	
ltom	Safety			38.9318 ⁻	15°	38.931815°
Item				-121.6343	31 °	-121.634331 °
DWR ID	DWR ID DWR_NA0060_21_t _ 2012_5					
Action/Comments						

Inspector Comments: All safety gear is in place and in working order.



View of fire extinguisher inside the operating room (Summer 2019).

Page 2 of 10

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En : Enforcement

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		5 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Pump Stations			GPS Latitude/Longitude		
Category			Start		End	
Item	Safety			38.9318	15°	38.931815°
item				-121.6343	31 °	-121.634331 °
DWR ID	ID DWR_NA0060_21_t _ 2012_5					
Action/Comments						

Inspector Comments: All safety gear is in place and in working order.

	K		20(9)
/iow of fire ext	inquisher nevt	to facility entran	ce (Summer 20

Photo 2 of 7: ST_2019_NA0060_21_5_20190626_00024.jpg

View of fire extinguisher next to facility entrance (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of stairway railing leading down to pump inlet (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of fall protection cable hook-in next to wet wells (Summer 2019).

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		5 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Item	Safety			38.9318	15 °	38.931815 °
пеш	-121.634331 ° -121.634					
DWR ID DWR_NA0060_21_t _ 2012_5						
		Action/	Comme	nts		

Inspector Comments: All safety gear is in place and in working order.



View of railings above the trash racks (Summer 2019).

 LM Start
 0.00
 Rating **
 A
 Issue No.
 5 (cont)

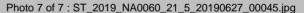
 LM End
 0.00
 Issue Type +
 Ma
 Location *

Photo 6 of 7: ST_2019_NA0060_21_5_20190627_00044.jpg



View of railings next to manual gate operators (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of railings next to flap gate grate (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations GPS Latit		tud	e/Longitude		
Calegory						End
Item	Cranes			38.93181	5°	38.931815 °
пеш				-121.63433	1 °	-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_6						
		A - 1' 1	<u> </u>	-1-		

Action/Comments

Inspector Comments: Cranes are not present at this site.

No Photos

Rating ** Issue No. LM Start 0.00 Α Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Pumps 38.931815° 38.931815° Item -121.634331 ° -121.634331 ° DWR ID DWR NA0060 21 t 2012 7

Action/Comments

Inspector Comments: Pumps appear to be properly maintained and in working condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Power			38.9318	15°	38.931815 °	
пеш				-121.63433	31 °	-121.634331 °	
DWR ID	D DWR_NA0060_21_t _ 2012_8						

Action/Comments

Inspector Comments: The structure is on the grid with emergency backup generator.

Photo 1 of 1: ST_2019_NA0060_21_8_20190626_00030.jpg

View of backup generator inside the facility (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
				Start		End	
Item		ngines, Fans	& Gear	38.93181	5°	38.931815 °	
пеш	Reducers -121.634331 ° -121.63433						
DWR ID DWR_NA0060_21_t _ 2012_10							
		Action/	Comme	nts			

Inspector Comments: These items appear to be maintained and in operating condition.

LM Start	0.00	Rating **	Α	Issue No.	10 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of pump motors (Summer 2019).

Photo 2 of 2: ST_2019_NA0060_21_10_20190627_00046.jpg



View of pump oil well (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
				Start		End	
Item	Pump Control Systems			38.93181	5 °	38.931815 °	
item				-121.63433	81 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_11							

Action/Comments

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of pump control panels inside operating room (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	12	
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Item	Sumps/W	et Well		38.9318	15°	38.931815°
пеш				-121.6343	31 °	-121.634331 °
DWR ID	DWR ID DWR_NA0060_21_t _ 2012_12					
Action/Comments						

Inspector Comments: Sumps are clear and free of debris.



View of one of the wet wells. All four wet wells looked like this (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rad	Trash Racks		38.9318	15 °	38.931815	0
item				-121.6343	31 °	-121.634331	0
DWR ID	DWR_NA0	060_21_t _ 201	2_13				

Action/Comments

Inspector Comments: No debris present on trash racks, they appear to be in good condition.



View of trash racks (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.		14	_
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS La	tituc	le/Longitude	
Category					Start		
Item	Trash Ral	kes		38.93181	5°	38.931815	0
пеш				-121.63433	1 °	-121.634331	٥
DWR ID	DWR_NA0	060_21_t _ 201	2_14				
Action/Comments							

Inspector Comments: No trash rake at this site.

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Sta	itions		GPS Lati	tud	e/Longitude
Calegory				Start End		End
Item	Sluice / S	lide Gates		38.93181	5 °	38.931815 °
пеш				-121.63433°	1°	-121.634331 °
DWR ID	DWR_NA0	060_21_t _ 201	2_15			
		A - 1' /	<u> </u>	- 1 -		

Action/Comments

Inspector Comments: Sluice gates appear to be in good working order.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 16 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Electric Gate Operators 38.931815° 38.931815° Item -121.634331 ° -121.634331 ° DWR ID DWR_NA0060_21_t _ 2012_16

Action/Comments

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Pump Stations				GPS Latitude/Longitude			
Calegory			Start		End			
Item	Manual G	ate Operators		38.93181	5°	38.931815°		
пеш				-121.63433	81 °	-121.634331 °		
DWR ID	R ID DWR_NA0060_21_t _ 2012_17							
	Action/Comments							

Inspector Comments: Manual gate operators appear to be in good condition.

Photo 1 of 1: ST_2019_NA0060_21_17_20190627_00049.jpg



View of manual gate operators (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		18
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Sta	itions		GPS Lat	itud	e/Longitude
Calegory				Start		End
Item	Other Met	tallic Items		38.93181	5°	38.931815 °
пеш				-121.63433	1 °	-121.634331 °
DWR ID	DWR_NA0	060_21_t _ 201	2_18			
			_			

Action/Comments

Inspector Comments: These items appear to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS Latitude/Longit		e/Longitude
Calegory				Start		End
Item	Flap Gate	s		38.9318	15°	38.931815°
пеш				-121.6343	31 °	-121.634331 °
DWR ID	DWR_NA0	060_21_t _ 201	2_19			

Action/Comments

Inspector Comments: Flap gates appear to be in working condition. There are no apparent signs of significant corrosion or damage. All are closed.

Photo 1 of 1 : ST_2019_NA0060_21_19_20190627_00050.jpg



View of closed flap gates (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	itions	ons			le/Longitude	
Calegory						End	
Item	Closure S	tructures		38.93181	5°	38.931815	0
item			_		1°	-121.634331	0
DWR ID	DWR_NA0	060_21_t _ 201	2_20				
	Action/Comments						

Action/Comments

Inspector Comments: No closure structure present at this location.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory						End
Item	Security F	encing		38.9318 ²	15°	38.931815 °
пеш				-121.63433	31 °	-121.634331 °
DWR ID	D DWR_NA0060_21_t _ 2012_21					
Action/Comments						

Inspector Comments: Site is secured by a masonry brick wall and steel gate.



View of contrete security fence with additional chainlink fence, and steel security door (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Intake and	d Discharge P	ipes	38.93181	5 °	38.931815 °	
пеш				-121.63433	11°	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_22				
A stirry (Common state							

Action/Comments

Inspector Comments: No visible deficiencies observed in the pipe's condition.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2019 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 2	

Pumping Plant Rating	Α
Date of Inspection	6/26/2019
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
ltom	Operating	Log		39.02644	19°	39.026449°	
Item ' 9 9				-121.72693	37 °	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2012_1							
Action/Comments							

Inspector Comments: Operation log is located at the site.



View of operating log (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Category				Start		End
Item	Operation & Maintenance Manual			39.0264	49°	39.026449°
пеш				-121.7269	37°	-121.726937°
DWR ID	DWR_NA0	060_22_t _ 201	2_2			·

Action/Comments

Inspector Comments: O&M Manual is present at the site. Sutter Maitenance Yard will provide documentation of maintenance going forward.



View of O&M Manual (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Item	Plant Buil	ding		39.0264	49 °	39.026449°
пеш				-121.7269	37 °	-121.726937 °
DWR ID	DWR_NA0	WR_NA0060_22_t _ 2012_3				
Action/Comments						

Inspector Comments: Plant building appears to be in working order.



View of outside of pump operating building (Summer 2019).

Page 1 of 10

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		3 (cont)	
LM End	0.00	Issue Type +	Ма	Location *			
Pump Stations				GPS Latitude/Longitude			
Category			Start		End		
Item	Plant Building			39.0264	49 °	39.026449°	
item				-121.72693	37 °	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2012_3							
Action/Comments							

Inspector Comments: Plant building appears to be in working order.



View of outside of facility (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
				Start		End	
ltem (Communications			39.0264	49°	39.026449°	
item				-121.7269	37°	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2012_4							

Action/Comments

Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control system appears to be operational.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Safety			39.0264	49°	39.026449 °	
пеш	item				37°	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2019_5							
Action/Comments							

Inspector Comments: The site has fire extinguishers on site and fall protection rails. Gates have been installed to limit access to pump inlet. Railings above trash racks are in the process of installation.



View of fire extinguisher inside operating building (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
ltom	Safety			39.0264	49°	39.026449°	
Item				-121.7269	37°	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2019_5							
	Action/Comments						

Inspector Comments: The site has fire extinguishers on site and fall protection rails. Gates have been installed to limit access to pump inlet. Railings above trash racks are in the process of installation.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 7 : ST_2019_NA0060_22_5_20190627_00049.jpg

View of fire extinguisher next to facility entrance (Summer 2019).

Photo 3 of 7: ST_2019_NA0060_22_5_20190627_00050.jpg



View of stair railing down to pump inlet (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of fall protection cable next to wet wells (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Safety			39.026449°		39.026449°		
пеш				-121.7269	37 °	-121.726937°	
DWR ID DWR_NA0060_22_t _ 2019_5							
Action/Comments							

Inspector Comments: The site has fire extinguishers on site and fall protection rails. Gates have been installed to limit access to pump inlet. Railings above trash racks are in the process of installation.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of gate closing off access to pump inlet (Summer 2019).

Photo 6 of 7: ST_2019_NA0060_22_5_20190627_00053.jpg



View of railing and signage next to manual gate operators (Summer

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of railings and signage above flap gates (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Ν	Issue No.	6		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Itom	Cranes			39.02644	9°	39.026449°	
пеш	Item				7°	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2012_6							
	Action/Comments						

Inspector Comments: Cranes are not present at this site.

No Photos

Rating ** Issue No. LM Start 0.00 Α Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Pumps 39.026449° 39.026449° Item -121.726937° -121.726937 ° DWR ID DWR NA0060 22 t 2012 7

Action/Comments

Inspector Comments: Pumps appear to be in working order.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Power			39.0264	19°	39.026449°
пеш				-121.72693	37°	-121.726937°
DWR ID	DWR_NA0	060_22_t _ 201	2_8			

Action/Comments

Inspector Comments: The structure is on the grid with emergency backup generator.

Photo 1 of 2: ST_2019_NA0060_22_8_20190627_00055.jpg



View fuel tank for emergency generator (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		8 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS La	tituc	de/Longitude
Calegory			Start		End	
Item	Power			39.02644	19°	39.026449°
пеш				-121.72693	87°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_8						
	Action/Comments					

Inspector Comments: The structure is on the grid with emergency backup generator.



View of emergency generator (Summer 2019).

Photo 1 of 2: ST_2019_NA0060_22_10_20190627_00057.jpg

LM Start	0.00	Rating **	Α	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	itions		GPS La	atitud	le/Longitude
Calegory				Start		End
Itom	Motors, Engines, Fans & Gear				49°	39.026449°
item	Reducers			-121.726937 ° -121.72693		
DWR ID DWR_NA0060_22_t _ 2012_10						
		A ation /	Camma	nto		

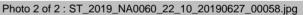
Action/Comments

Inspector Comments: These items appear to be maintained and in operational condition.

06 26 2019	
View of numn motors (Cummor 2010)	

View of pump motors (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	10 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of pump oil wells (Summer 2019).

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Pump Co	ntrol Systems		39.02644	19°	39.026449°
пеш				-121.72693	37 °	-121.726937 °
DWR ID	WR ID DWR_NA0060_22_t _ 2012_11					
	Action/Comments					

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of pump control panels in operating building (Summer 2019).

LM Start	0.00	Rating **	M	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Item	Sumps/W	et Well		39.0264	49°	39.026449°
пеш				-121.726937 ° -121.7269		
DWR ID DWR_NA0060_22_t _ 2012_12						
1 1 10						

Action/Comments

Inspector Comments: Trash and plant debris buildup in sump number 4 should be removed.



View of debris in sump 4 (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Pump Stations		GPS Latitude/Longitude			
Calegory				Start		End
Item	Trash Rad	cks		39.0264	49°	39.026449
пеш				-121.7269	37°	-121.726937
DWR ID DWR_NA0060_22_t _ 2012_13						
		Action/	Comme	nts		

Inspector Comments: Trash rack is secure and free of debris.



View of trash racks (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Ν	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Lat	itude	e/Longitude
Calegory				Start		End
Item	Trash Rakes			39.02644	9°	39.026449°
пеш				-121.72693	7°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_14						
	A :: 10					

Action/Comments

Inspector Comments: No trash rake at this site.

No Photos

Rating ** Issue No. LM Start 0.00 Α 15 Issue Type + 0.00 Location * Ma LM End **Pump Stations** GPS Latitude/Longitude Category Sluice / Slide Gates 39.026449° 39.026449° Item -121.726937° -121.726937 ° DWR ID DWR NA0060 22 t 2012 15

Action/Comments

Inspector Comments: Sluice gates appear to be properly maintained and operational.

No Photos

Issue No. Rating ** LM Start 0.00 16 0.00 Issue Type + Location * I M End Ma Pump Stations GPS Latitude/Longitude Category End Start Electric Gate Operators 39.026449° 39.026449 ° Item -121.726937° -121.726937 ° DWR_NA0060_22_t _ 2012_16 DWR ID Action/Comments

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	0.00 Rating ** A		Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Manual Gate Operators			39.0264	49°	39.026449°
пеш	1			-121.7269	37°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_17						
Action/Comments						

Inspector Comments: Manual gate operators appear to be in good working condition.



View of manual gate operators (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	No. 18	
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End	
Item	Other Metallic Items			39.0264	49°	39.026449°
пеш	item				37°	-121.726937°
DWR ID DWR_NA0060_22_t _ 2012_18						
Action/Comments						

Inspector Comments: All other metal parts that were visible are corrosion protected.

No Photos

LM Start	0.00	0.00 Rating ** A				19
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS Latitude/Longitude		le/Longitude
Calegory				Start		End
Item	Flap Gates			39.0264	49°	39.026449°
пеш				-121.7269	37°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2019_19						
Action/Comments						

Inspector Comments: Flap gates appear to be in working condition. There are no apparent signs of significant corrosion or damage. All are closed.



View of closed flap gates (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude		e/Longitude	
Calegory	ory			Start		End
Closure Structures			39.02644	9°	39.026449 °	
пеш				-121.72693	7°	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_20						

Action/Comments

Inspector Comments: No closure structure present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Category	Cotogon/ Pump Stations			GPS La	titud	e/Longitude
Calegory				Start		End
Item	Security Fencing			39.0264	49 °	39.026449 °
пеш				-121.72693	37 °	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_21						

Action/Comments

Inspector Comments: Site is secured with masonry and concrete wall and steel entrance door.



View of steel security door and concrete security wall around facility (Summer 2019).

LM Start 0.00 Rating ** A Issue No. 22 LM End 0.00 Issue Type + Ma Location *				
LM End 0.00 Issue Type + Ma Location *	2			
Category Pump Stations GPS Latitude/Long	itude			
	∃nd			
Intake and Discharge Pipes 39.026449 ° 39	.026449°			
	.726937°			
DWR ID DWR_NA0060_22_t _ 2012_22				
Action/Comments				

Inspector Comments: No visible deficiencies observed in the pipe's condition.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 3	

Pumping Plant Rating	Α
Date of Inspection	6/26/2019
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Operating	Log		39.12009	96°	39.120096°	
пеш	item				34 °	-121.779234°	
DWR ID DWR_NA0060_23_t _ 2012_1							
Action/Comments							

Inspector Comments: Operation log is at the site.



View of operating log (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
		& Maintenan	се	39.1200	96°	39.120096°
пеш	Manual			-121.7792	30°	-121.779230 °
DWR ID	ID DWR_NA0060_23_t _ 2012_2					

Action/Comments

Inspector Comments: O&M Manual is present at the site. Sutter Maitenance Yard will provide documentation of maintenance going forward.



View of O&M Manual (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
				Start		End	
Item	Plant Buil	ding		39.1200	96°	39.120096°	
пеш	item				30°	-121.779230 °	
DWR ID	DWR_NA0060_23_t _ 2012_3						
Action/Comments							

Inspector Comments: Plant building appears to be in working condition.



View of outside of plant building (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ма	Location *			
Category	itions	GPS La	titud	le/Longitude			
Calegory				Start		End	
Item	Communi	cations		39.12009	96°	39.120096°	
пеш				-121.7792	30°	-121.779230 °	
DWR ID	R ID DWR_NA0060_23_t _ 2012_4						

Action/Comments

Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control operation system (SCADA) appears to be operational.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	itions	GPS La	titud	e/Longitude		
Calegory				Start		End
Item	Safety			39.1200	96°	39.120096°
пеш				-121.7792	30°	-121.779230 °
DWR ID	DWR_NA0060_23_t _ 2012_5					

Action/Comments

Inspector Comments: The site has fire extinguishers on site and fall protection rails.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of fire extinguisher inside operating building (Summer 2019).

Photo 2 of 7: ST_2019_NA0060_23_5_20190627_00028.jpg



View of fire extinguisher adjacent to facility entrance (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS La	tituc	de/Longitude
				Start		End
Item	Safety			39.12009	6°	39.120096°
пеш			-121.77923	80 °	-121.779230°	
DWR ID DWR_NA0060_23_t _ 2012_5						
Action/Comments						

Inspector Comments: The site has fire extinguishers on site and fall protection rails.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of railing for stairway down to pump inlet (Summer 2019).

Photo 4 of 7: ST_2019_NA0060_23_5_20190627_00030.jpg



View of railings next to pump inlet (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of fall protection cable and signage on next to wet wells (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Pump Stations			GPS Latitude/Longitude		
Category			Start		End	
Item	Safety			39.1200	96°	39.120096°
item				-121.7792	30°	-121.779230°
DWR ID DWR_NA0060_23_t _ 2012_5						
Action/Comments						

Inspector Comments: The site has fire extinguishers on site and fall protection rails.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of safety railing and signage next to manual gate operators (Summer 2019).

Photo 7 of 7: ST_2019_NA0060_23_5_20190627_00033.jpg



View of safety railing and signage above flap gates (Summer 2019).

		D 11 44					_		
LM Start	0.00	Rating **	N	Issue No.		Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *					
Category Pump Stations			GPS La	atitud	le/Longitude				
Category			Start		End				
Item	Cranes			39.1200	96°	39.120096	0		
пеш				-121.7792	30°	-121.779230	0		
DWR ID	DWR_NA0	060_23_t _ 201	2_6		·				
		Action/	Comme	nts					
Inspector (Comments	: Cranes are i	not prese	ent at this s	ite.				

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	7		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory						End	
ltom	Pumps			39.12009	6°	39.120096°	
пеш	ltem			-121.77923	° o	-121.779230°	
DWR ID DWR_NA0060_23_t _ 2012_7							
Action/Comments							

Inspector Comments: Pumps appear to be properly maintained and in working condition.

No Photos

Rating ** Issue No. LM Start 0.00 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Power 39.120096° 39.120096° Item -121.779230° -121.779230 ° DWR ID DWR_NA0060_23_t _ 2012_8

Action/Comments

Inspector Comments: The structure is on the grid with emergency generator backup.



View of emergency backup generator (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	10	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Lat	itud	le/Longitude
Calegory	Category			Start		End
Item	· ·	Motors, Engines, Fans & Gear			6°	39.120096°
пеш	Reducers			-121.77923	o°	-121.779230 °
DWR ID DWR_NA0060_23_t _ 2012_10						
Action/Comments						

Action/Comments

Inspector Comments: These items appear to be maintained and in operating condition.



View of pump motors (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	10 (cont)			
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory				Start		End		
l+om		Motors, Engines, Fans & Gear			96 °	39.120096 °		
пеш	Reducers			-121.77923	30°	-121.779230 °		
DWR ID	DWR ID DWR_NA0060_23_t _ 2012_10							
Action/Comments								

Inspector Comments: These items appear to be maintained and in operating condition.



View of pump oil well (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Pump Co	ntrol Systems		39.1200	96°	39.120096°
item			-121.7792	30°	-121.779230 °	
DWR ID	DWR_NA0	060_23_t _ 2012	2_11			

Action/Comments

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of pump control panels in operating building (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.	12				
LM End	0.00	Issue Type +	Ma	Location *					
Category Pump Stations			GPS Latitude/Longitude						
Calegory	y			Start		End			
Item	Sumps/Wet Well			39.1200	96°	39.120096°			
item				-121.7792	30°	-121.779230 °			
DWR ID	DWR ID DWR_NA0060_23_t _ 2012_12								
Action/Comments									
Inspector Comments: Sumps are clear and free of debris.									



View of one wet well that represents appearance of all wet wells (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M: Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start End		
Item	Trash Rad	cks		39.12009	6°	39.120096°
пеш				-121.77923	80 °	-121.779230 °
DWR ID DWR_NA0060_23_t _ 2012_13						
	Action/Comments					

Inspector Comments: No debris present on trash racks, they appear to be in good condition.



View of trash racks (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	ntions		GPS Latitude/Longitude			
Calegory				Start	Start End		
Item	Trash Ral	kes		39.1200	96°	39.120096°	
пеш				-121.7792	30°	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_14							
	Action/Comments						

Inspector Comments: No trash rake at this site.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	Pump Stations GPS Latitude/Lon				le/Longitude	
Calegory			Start		End		
Item	Sluice / S	lide Gates		39.1200	96°	39.120096	0
пеш				-121.7792	30°	-121.779230	0
DWR ID	R ID DWR_NA0060_23_t _ 2012_15						
	Action/Comments						

Inspector Comments: Sluice gates appear to be in good working order.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Ν	Issue No.		16
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Sta	itions		GPS Latitude/Longitude		
Calegory				Start		End
Item	Electric G	ate Operators	;	39.12009	3°	39.120096°
пеш				-121.779230	o°	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_16			
		A - 1' /	<u> </u>	-1-		

Action/Comments

Inspector Comments: Item does not apply, gate operators are manual only.

No Photos

Rating ** Issue No. LM Start 0.00 Α 17 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Manual Gate Operators 39.120096° 39.120096° Item -121.779230° -121.779230 ° DWR_NA0060_23_t _ 2012_17 DWR ID

Action/Comments

Inspector Comments: Manual gate operators appear to be in working order.



View of manual gate operators (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS Latitude/Longitude			
Calegory					Start		
Item	Other Me	tallic Items		39.1200	96°	39.120096	0
пеш				-121.7792	30°	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201	2_18				
		Action/	Commo	nte			

Action/Comments

Inspector Comments: All other metal parts that were visible are corrosion protected.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Sta	itions	GPS Lat	GPS Latitude/Longitude		
Calegory				Start	Start End	
Item	Flap Gate	s		39.12009	o°	39.120096°
пеш				-121.77923	°	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	9_19			
			_			

Action/Comments

Inspector Comments: Flap gates appear to be in working condition. There are no apparent signs of significant corrosion or damage. All are closed.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 20 Issue Type + 0.00 Location * Ma LM End **Pump Stations** GPS Latitude/Longitude Category Closure Structures 39.120096° 39.120096° Item -121.779230° -121.779230 ° DWR_NA0060_23_t _ 2012_20 DWR ID

Action/Comments

Inspector Comments: No closure structure present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS Latitude/Longitude			
Calegory				Start	Start E		
Item	Security F	encing		39.1200	96°	39.120096	0
пеш				-121.7792	30°	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201	2_21				
			_				

Action/Comments

Inspector Comments: Site is currently secured by a concrete wall and steel entrance door.

Photo 1 of 1: ST_2019_NA0060_23_21_20190627_00041.jpg



View of concrete security fencing and steel entrance door (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Calegory	ategory			Start		End	
Item	Intake and	Intake and Discharge Pipes			96°	39.120096 °	
item				-121.7792	30°	-121.779230 °	
DWR ID	DWR_NA0	060_23_t _ 201	2_22				
Action/Comments							
Inspector (Inspector Comments: No visible deficiencies observed in the pipe's						

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

condition.

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Sutter Bypass Weir No. 2	

Structure Rating	Α
Date of Inspection	6/26/2019
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Structures & Concrete Lined Channels			GPS Lat	itud	le/Longitude
				Start		End
Item	Photo Documentation			39.10252	6°	39.102526°
item				-121.75868	2 °	-121.758682°
DWR ID	DWR_NA0060_10_t _ 2012_1					
Action/Comments						

Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of outside of compressor facility (Summer 2019).

Photo 2 of 4: ST_2019_NA0060_10_1_20190627_00016.jpg



View looking downslope of levee at entire weir and fish ladder (Summer 2019).

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View looking upstream at weir (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Photo Do	cumentation		39.10252	6°	39.102526°
item				-121.75868	2 °	-121.758682 °
DWR ID	DWR_NA0	2_1			·	
Action/Comments						

Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.

Photo 4 of 4: ST_2019_NA0060_10_1_20190627_00018.jpg

View looking downslope and slightly downstream at weir and fish ladder (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni		s & Concrete I	_ined	GPS La	atitud	le/Longitude	
	Channels			Start		End	
Item	Vegetatio	n & Obstruction	ons	39.1025	26°	39.102526	0
item				-121.7586	82 °	-121.758682	0
DWR ID	DWR_NA0	060_10_t _ 201	2_2				
			_				

Action/Comments

Inspector Comments: No vegetation blocking flow through the structure

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Lat	ituc	le/Longitude
				Start		End
Item	Shoaling / Sedimentation			39.10252	6°	39.102526°
item				-121.75868	2 °	-121.758682 °
DWR ID	DWR_NA0	2_3				
Action/Comments						

Inspector Comments: No shoaling or sedimentation visible during inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		s & Concrete I	_ined	GPS La	atitud	e/Longitude	
Category	Channels			Start		End	
Item	Erosion /	Bank Caving		39.1025	26°	39.102526	0
item				-121.7586	82°	-121.758682	0
DWR ID	DWR_NA0	060_10_t _ 201	2_4				
			_				

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Revetmer	nts		39.1025	26°	39.102526	0
пеш				-121.7586	82°	-121.758682	0
DWR ID	DWR NA0	060 10 t 201	2 5				

Action/Comments

Inspector Comments: Existing riprap protecttion is properly maintained and is undamaged. Riprap clearly visible.

ı						
ī						
1	LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
ı						- (
1	LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2: ST_2019_NA0060_10_5_20190627_00020.jpg



View of riprap on the rightbank downstream of the weir (Summer 2019).

Photo 2 of 2: ST_2019_NA0060_10_5_20190627_00021.jpg



View of rip rap on the leftbank downstream of the weir (Summer 2019).

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	6	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels				Start		End
Item	Encroach	ments		39.10252	6°	39.102526°
пеш				-121.75868	2 °	-121.758682 °
DWR ID	DWR_NA0	060_10_t _ 201	2_6			
		A .: /	_			

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

Issue No. LM Start 0.00 Rating ** Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 39.102526° 39.102526° Item -121.758682 ° -121.758682 ° DWR NA0060 10 t 2012 7 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 Ν 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 39.102526° 39.102526 ° Item Cracks -121.758682 ° -121.758682 ° DWR_NA0060_10_t _ 2012_8 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	N	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category Channels		Start		End			
Item	Metal Pipe	Metal Pipes		39.10252	6°	39.102526°		
Item				-121.75868	2 °	-121.758682 °		
DWR ID DWR_NA0060_10_t _ 2012_9								
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 39.102526° 39.102526° Item -121.758682 ° -121.758682 ° DWR NA0060 10 t 2012 10 DWR ID

Action/Comments

Inspector Comments: There are no trash racks at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 39.102526° 39.102526 ° Item -121.758682° -121.758682 ° DWR_NA0060_10_t _ 2012_11 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	12			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End				
Item	Sluice/Slic	de Gates		39.1025	26°	39.102526°		
item				-121.7586	82 °	-121.758682 °		
DWR ID DWR_NA0060_10_t _ 2012_12								
	Action/Comments							

Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.

Photo 1 of 1: ST_2019_NA0060_10_12_20190625_00008.jpg



View of slide gates looking upstream. Photo taken July, 2018.

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Electric Gate Operators			39.1025	26°	39.102526°	
item				-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_13				

Action/Comments

Inspector Comments: The sluice gates are opened and closed by the inflation/deflation of a bladder. The compressors' are located in the building on the left bank of the levee crown and are functioning properly.



View of control panel, air compressor, and generator. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.		14		
LM End		Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS La	atitud	e/Longitude		
Channels		Start		End				
Item	Manual G	ate Operators		39.1025	26°	39.102526	0	
пеш				-121.7586	82 °	-121.758682	0	
DWR ID	DWR_NA0060_10_t _ 2012_14							
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.	15			
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Category Channels		Start		End				
Item	Concrete	Concrete Surfaces		39.10252	6 °	39.102526°		
пеш				-121.758682 °		-121.758682 °		
DWR ID	DWR_NA0060_10_t _ 2012_15							
	Action/Comments							

Inspector Comments: Negligible spalling, scaling, and cracking.

No Photos

Issue No. LM Start 0.00 Rating ** Α 16 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 39.102526° 39.102526° Item -121.758682 ° -121.758682 ° DWR ID DWR_NA0060_10_t _ 2012_16

Action/Comments

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

No Photos

Issue No. Rating ** LM Start 0.00 17 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 39.102526° 39.102526 ° Item -121.758682 ° -121.758682 ° DWR_NA0060_10_t _ 2012_17 DWR ID

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
ltom	Security F	Security Fencing		39.1025	26°	39.102526°
Item				-121.7586	82 °	-121.758682 °
DWR ID	DWR_NA0	060_10_t _ 201	2_18			
Action/Comments						

Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts. The fence is very close to the hing point of the slope and does not allow access around the out side of the fence in this location.



View of security fencing around the compressor building (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Closure S	Closure Structures		39.10252	26°	39.102526°
item			-121.75868	32 °	-121.758682 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_19			

Action/Comments

Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are available at the Sutter Yard.

No Photos

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Trash Ral	Trash Rakes		39.102526°		39.102526	0
пеш				-121.758682 °		-121.758682	0
DWR ID	DWR_NA0	060_10_t _ 201	2_20				
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined Channels		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Other Met	Other Metallic Items		39.10252	6°	39.102526°
пеш			-121.75868	2°	-121.758682 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_21			
			_			

Action/Comments

Inspector Comments: All metal decks are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.

No Photos

Rating ** Issue No. LM Start 0.00 Α 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 39.102526° 39.102526° Item -121.758682 ° -121.758682 ° DWR ID DWR_NA0060_10_t _ 2012_22

Action/Comments

Inspector Comments: The monolith joint material is in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Safety	Safety		39.10252	26°	39.102526°	
пеш			-121.75868	32 °	-121.758682 °		
DWR ID	DWR_NA0	060_10_t _ 201	2_23				

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the compressor building and is current.



Photo 1 of 2: ST_2019_NA0060_10_23_20190627_00023.jpg

View of fire extinguisher in compressor building (Summer 2019).

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		06/26/2019 06/26/2019	David Julian

LM Start	0.00	Rating **	Α	Issue No.		23 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Item	Safety	Safety		39.1025	26°	39.102526°
item				-121.7586	32 °	-121.758682°
DWR ID	DWR_NA0	060_10_t _ 201	2_23			
Action/Comments						

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the compressor building and is current.



View of fall protection railing surrounding weir (Summer 2019).

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels		Start		End		
Item		& Maintenan	се	39.1025	26°	39.102526	0
пеш	Manual			-121.758682 °		-121.758682	0
DWR ID	DWR_NA0	060_10_t _ 201	3_24				

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M at the site.



View of O&M manual (Summer 2019).

Monday, August 26, 2019 14:28

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Stru	cture
Tisdal	e Weir

Structure Rating	М
Date of Inspection	7/18/2019
DWR Inspector	Zach Jojola
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		39.0267	'13 °	39.026713 °
item	\$TTI			-121.821995 °		-121.821995 °
DWR ID DWR_NA0060_3_t _ 2012_1						
		Action/	Comme	nts		

View of weir from the downstream end of the Sacramento River. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	

Photo 2 of 6: ST_2019_NA0060_3_1_20190719_00022.jpg



View of Tisdale Bypass, facing downstream. Summer 2019.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of adjacent parking lot and boat launch. Summer 2019.

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude
Category	Channels			Start		End
Item	Photo Do	cumentation		39.0267	13°	39.026713 °
пеш				-121.8219	95°	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_1			
		Action/	Comme	nts		

PI	Photo 4 of 6 : ST_	2019_NA006	60_3_1_20	190719_00	024.jpg
	Section 1				
	THE PERSON	-			
				The same of	
		//	-	+ 53	
	X X				Jack .
	"是我这样我	7			7.3
	のようままれる		4.1		

View of vier from the upstream end of the Sacramento River. Summer

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	

Photo 5 of 6: ST_2019_NA0060_3_1_20190723_00034.jpg



View of eroded access ramp. Summer 2019. Photo 6 of 6: ST_2019_NA0060_3_1_20190723_00035.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Additional view of eroded access ramp. Summer 2019.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Vegetation & Obstructions		39.0267	13°	39.026713 °	
item				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0060_3_t _ 2012_2					
Action/Comments						

Inspector Comments: Significant amounts of tree trunks have settled on the boat launch parking area at the weir inlet.

LM Start	0.00	Rating **	U	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of dead trees at the weir inlet. Summer 2019.

Photo 2 of 2: ST_2019_NA0060_3_2_20190723_00036.jpg



Additional view of trees at the weir inlet. Summer 2019.

LM Start	0.00	Rating **	М	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined		GPS La	titud	le/Longitude	
Calegory	Channels			Start		End
Item	Shoaling /	Sedimentation	n	39.02671	3°	39.026713 °
item				-121.82199	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_3			

Action/Comments

Inspector Comments: Sedimentation found at various locations throughout the stilling basin should be removed.



View of the silt and cobble build-up within the weir stilling basin. Summer 2019.

Page 3 of 12

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

: Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ма	Location *				
Cotogoni	Structures & Concrete Lined			Structures & Concrete Lined		GPS Lat	itud	e/Longitude
Calegory	Channels			Start End		End		
Item	Erosion /	Bank Caving		39.02671	3°	39.026713 °		
пеш				-121.82199	5°	-121.821995 °		
DWR ID	DWR_NA0	060_3_t _ 2012	_4					
		A .: /	_					

Action/Comments

Inspector Comments: No active erosion or bank caving.

No Photos



View of riprap on the south abutment. Summer 2019.

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Revetmer	ts		39.0267	13 °	39.026713 °
пеш				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_5			·

Action/Comments

Inspector Comments: Existing riprap is undamaged.

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Encroach	ments		39.0267	13°	39.026713 °	
Item				-121.8219	95 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_6				
	Action/Comments						

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	7			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start End		End		
Item	Culverts:	Inlets / Outlets	5	39.02671	3°	39.026713 °		
Item				-121.82199	5°	-121.821995 °		
DWR ID	DWR_NA0	VR_NA0060_3_t _ 2012_7						
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Breaks / Holes / 39.026713° 39.026713° Item Cracks -121.821995 ° -121.821995 ° DWR_NA0060_3_t _ 2012_8 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR_NA0060_3_t _ 2012_9 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	10	
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined					e/Longitude
Calegory	Channels			Start End		End
Item	Trash Rad	cks		39.02671	3°	39.026713°
пеш				-121.82199	5 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_10			
		A .: /	_			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined Channels			GPS La	titud	e/Longitude		
Calegory	Channels			Start		End	
Item	Flap Gate	s		39.02671	3°	39.026713	•
item			Concrete Lined GPS Latit	5 °	-121.821995	•	
DWR ID	DWR_NA0	060_3_t _ 2012	_11				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Sluice/Slic	de Gates		39.0267	13°	39.026713°
пеш				-121.8219	95 °	-121.821995 °
DWR ID	DWR ID DWR_NA0060_3_t _ 2012_12					
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Channels			Start		End		
Item	Electric Gate Operators			39.02671	3°	39.026713°	
пеш				-121.82199	5 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_13				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Manual Gate Operators 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR ID DWR NA0060 3 t 2012 14

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	U	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Channels			Start		End		
Item	Concrete Surfaces			39.0267	13°	39.026713°	
пеш				-121.821995 °		-121.821995 °	
DWR ID DWR_NA0060_3_t _ 2012_15							
Action/Comments							

Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.

Photo 1 of 4: ST_2019_NA0060_3_15_20190722_00028.jpg



View of cracking the south abutment. Summer 2019.

* Location
LS: Land Side
WS: Water Side
CR: Crown

A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type Ma : Mainte

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.	sue No. 15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Channels		Start		End		
Concrete Surfaces			39.026713°		39.026713°	
Item				-121.821995 °		-121.821995 °
DWR ID	DWR ID DWR_NA0060_3_t _ 2012_15					
Action/Comments						

Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of spalling on the weir. Summer 2019.

Photo 3 of 4: ST_2019_NA0060_3_15_20190722_00031.jpg



View of missing counterforts and exposed rebar. Summer 2019.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of north abutment. Summer 2019.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Itom	Item Concrete Tilting / Settlement			39.0267	'13 °	39.026713	0
пеш				-121.821995 °		-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_16				
			_				

Action/Comments

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude		
Structures & Concrete Lined CDS Latitude // appitude		
Cotogony Circulate Street Stre		
Channels Start End	End	
Concrete Foundations 39.026713 ° 39.02671	3°	
-121.821995 ° -121.82199	5°	
DWR ID DWR_NA0060_3_t _ 2018_17		

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	GPS Latitude/Longitude						
Channels			Start		End		
Security Fencing			39.0267	13°	39.026713	0	
item				-121.8219	95 °	-121.821995	0
DWR ID DWR_NA0060_3_t _ 2012_18							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	No. 19			
LM End	0.00	Issue Type +	Ma	Location *				
Category Channels				GPS Latitude/Longitude				
Channels			Start Er		End			
Itom	Item Closure Structures			39.02671	3 °	39.026713 °		
пеш				-121.82199	5 °	-121.821995 °		
DWR ID	DWR_NA0	060_3_t _ 2012	_19					
	A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Trash Rakes			39.0267	13 °	39.026713	0
				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_20				

No Photos

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Other Metallic Items			39.0267	13°	39.026713°	
				-121.8219	95°	-121.821995°	
DWR ID	DWR_NA0060_3_t _ 2012_21						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side

CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	22	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni		s & Concrete I	_ined	GPS Lat	itud	e/Longitude
Calegory	Channels		Start		End	
Item	Monolith .	Monolith Joints			3°	39.026713 °
item					5 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_22			
			_			

Action/Comments

Inspector Comments: The monolith joint material is in good condition.

LM Start	0.00	Rating **	М	Issue No. 23		23
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Safety			39.0267	13°	39.026713°
item				-121.8219	95 °	-121.821995 °
DWR ID	DWR NA0060 3 t 2012 23					

Action/Comments

Inspector Comments: Concrete should be repaired to conceal the exposed rebar. Safety fence is needed for protecting the structure from the public parking lot once the logs have been removed.

LM Start	0.00	Rating **	М	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2: ST_2019_NA0060_3_23_20190722_00033.jpg

No Photos



View of exposed rebar at weir transition. Summer 2019.

Photo 2 of 2: ST_2019_NA0060_3_23_20190625_00020.jpg



View of safety fence separating the weir from the public parking lot in 2016.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/18/2019 07/18/2019	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Operation & Maintenance Manual		39.0267	13°	39.026713°		
пеш			-121.8219	95 °	-121.821995 °		
DWR ID	DWR_NA0	060_3_t _ 2013	_24				
Action/Comments							

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Wadsworth Canal Weir No. 4	

Structure Rating	Α
Date of Inspection	7/17/2019
DWR Inspector	Makar Sokol
Accompanied By	Bryan Reniff Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atituc	le/Longitude		
Category	Channels			Start		End	
Item	Photo Documentation			39.1533	25°	39.153325°	
пеш				-121.7341	22 °	-121.734122 °	
DWR ID	/R ID DWR_NA0060_11_t _ 2012_23						
Action/Comments							

Action/Comments	

Ma

Issue No.

Location *

23 (cont)

Photo 1 of 3: ST_2019_NA0060_11_23_20190718_00004.jpg

View of the upstream side of the Wadsworth Canal Weir No. 4.

Photo 2 of 3: ST_2019_NA0060_11_23_20190718_00005.jpg

View of the downstream side of the Wadsworth Canal Weir No. 4.

LM Start	0.00	Rating **	N	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Upclose view of the upstream side of the Wadsworth Canal Weir No. 4.

Location LS: Land Side WS: Water Side CR : Crown

LM Start

LM End

0.00

0.00

Rating **

Issue Type +

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Vegetatio	n & Obstruction	ons	39.1533	25 °	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID DWR_NA0060_11_t _ 2012_1							
	Action/Comments						

Inspector Comments: There is no vegetation that would impact the flow of water.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 39.153325° 39.153325° Item -121.734122° -121.734122 ° DWR ID DWR_NA0060_11_t _ 2012_2

Action/Comments

Inspector Comments: There is no shoaling or sedimentation present.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Erosion /	Bank Caving		39.1533	25°	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID DWR_NA0060_11_t _ 2012_3							
	Action/Comments						

Photo 1 of 1: ST_2019_NA0060_11_3_20190718_00007.jpg

View of the stabilized erosion site.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels			Start		End		
Item	Revetmer	nts		39.1533	25°	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID DWR_NA0060_11_t _ 2012_4							
	Action/Comments						

Inspector Comments: Extended riprap protection is properly maintained.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Encroachments 39.153325° 39.153325° Item -121.734122° -121.734122 DWR NA0060 11 t 2012 5 DWR ID

Action/Comments

Inspector Comments: There is no debris obstructing the structure.

No Photos

Rating ** Issue No. LM Start 0.00 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Inlets / Outlets 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR_NA0060_11_t _ 2012_6 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Lat	itud	le/Longitude		
Calegory	Category Channels		Start		End		
Item		Breaks / Holes	s /	39.15332	5°	39.153325 °	
пеш	Cracks	racks			2 °	-121.734122 °	
DWR ID	DWR_NA0	NA0060_11_t _ 2012_7					
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

	LM Start	0.00	Rating **	N	Issue No.		8	
	LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude				
	Calegory	Channels			Start		End	
	Item	Metal Pipe	es		39.1533	25 °	39.153325	0
	iteiii				-121.7341	22 °	-121.734122	0
	DWR ID	DWR_NA0	060_11_t _ 201	2_8				
				_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		9		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Trash Rad	cks		39.1533	25 °	39.153325	0	
item				-121.7341	22 °	-121.734122	۰	
DWR ID DWR_NA0060_11_t _ 2012_9								
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Flap Gate	s		39.15332	25 °	39.153325 °	
пеш				-121.73412	22°	-121.734122 °	
DWR ID	DWR ID DWR_NA0060_11_t _ 2012_10						
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Sluice/Slide Gates 39.153325° 39.153325° Item -121.734122° -121.734122 DWR ID DWR NA0060 11 t 2012 11

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 12 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Electric Gate Operators 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR_NA0060_11_t _ 2012_12 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined				itud	le/Longitude
Calegory	Channels	nnels		Start		End
Item	Manual G	ate Operators		39.15332	5 °	39.153325°
пеш				-121.73412	2 °	-121.734122 °
DWR ID DWR_NA0060_11_t _ 2012_13						
		Action/	Comme	nts		

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating ** Α 14 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Surfaces 39.153325° 39.153325° Item -121.734122° -121.734122 ° DWR ID DWR NA0060 11 t 2012 14

Action/Comments

Inspector Comments: There is no visible concrete spalling or cracking.

No Photos

Issue No. Rating ** LM Start 0.00 15 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Tilting / Settlement 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR_NA0060_11_t _ 2012_15 DWR ID Action/Comments

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Concrete	Foundations		39.15332	5 °	39.153325 °
пеш				-121.73412	2 °	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_16			
			_			

Action/Comments

Inspector Comments: The erosion on the downstream side near the structure has been addressed.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α 17 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 39.153325° 39.153325° Item -121.734122° -121.734122 ° DWR ID DWR_NA0060_11_t _ 2012_17

Action/Comments

Inspector Comments: There is no security fence at this site.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	GPS La	atitud	le/Longitude			
Calegory	Channels		Start		End		
Item	Closure S	tructures		39.1533	25°	39.153325°	
пеш				-121.7341	22 °	-121.734122 °	
DWR ID	R ID DWR_NA0060_11_t _ 2012_18						
Action/Comments							

Inspector Comments: There are stop logs available for use within the channel, but the structure does not have any true closure device as the channel would overtop.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels		Start		End		
Item	Trash Ral	res		39.15332	25 °	39.153325°	
пеш				-121.73412	22°	-121.734122 °	
DWR ID	DWR ID DWR_NA0060_11_t _ 2012_19						
		A ation/	Camma	n+n			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		20		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Category Channels			Start		End		
Item	Other Met	tallic Items		39.15332	25 °	39.153325°		
item				-121.73412	22°	-121.734122 °		
DWR ID	DWR_NA0	060_11_t _ 201	2_20					

Action/Comments

Inspector Comments: Metallic items appear to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	tituc	le/Longitude	
Category Channels		Start		End			
Item	Monolith .	Joints		39.1533	25°	39.153325	0
пеш				-121.73412	22 °	-121.734122	0
DWR ID DWR_NA0060_11_t _ 2012_21							
		Action/	Comme	nts			

Inspector Comments: The joint material is in good condition.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2019 07/17/2019	Makar Sokol

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	_ined	GPS La	tituc	le/Longitude		
Calegory	Channels		Start		End		
Item	Safety			39.1533	25 °	39.153325°	
пеш				-121.7341	22 °	-121.734122 °	
DWR ID DWR_NA0060_11_t _ 2012_22							
	Action/Comments						

Inspector Comments: There is a safety rail around the structure.



View of the safety railings around the structure.

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item		& Maintenan	се	39.1533	25 °	39.153325	
пеш	Manual			-121.7341	22 °	-121.734122	
DWR ID	DWR_NA0060_11_t _ 2013_24						
Action/Comments							

Inspector Comments: The yard has a copy of the O&M Manual.

No Photos

+ Issue Type